THE BUILDER

INCORPORATING

"ARCHITECTURE" AND "THE BRITISH ARCHITECT"

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OLD BUILDINGS, FOWEY, CORNWALL.

MEETINGS

Wednesday, August 18.

London Society.—Visit to Broadwood's Piano Works, The Hyde, Hendon, N.W.9. 3 p.m.

Thursday, August 26.

London Society.—Visit to Modern Churches in the Diocese of London. The coach will leave Lancaster House at 2 p.m. prompt, visiting the John Keble Church, Mill Hill, St. Mary the Virgin, Kenton, St. Alban's, North Harrow, St. Paul's, Ruislip Manor.

Monday, August 30.

London Society.—Visit to Old Walthamstow, including the Church, Grammar School and 16th century Almshouses. Meet at the Parish Church of St. Mary the Virgin. 3 p.m.

Monday-Friday, August 30-September 3.

Sanitary Inspectors' Association. Jubilee Conference. At Brighton. Monday: Meeting of the Defence League, 10 a.m.; Meeting of the Mutual Provident Society, 11.30 a.m.; Annual General Meeting, 4 p.m.; Reception, 7.30 p.m. Tuesday: Official Welcome of Members and Delegates by the Mayor, Presidential Address by Sir Leonard Hill, and Official Photograph, 10 a.m.; Discussion on "Public Health Act," 2.30 p.m.; Conference Dinner, the Grand Hotel, 7 p.m. Wednesday: Discussions on "Factories Legislation" and "Public Cleansing, with special reference to the Salvage of Waste Products," 10 a.m. Thursday: Discussions on "Meat Inspection with special reference to Memo. 62 (Foods)," and "Milk Supply from the Aspect of the Consumer," 10 a.m.; Discussion on "Housing" (a) Legal Aspect and (b) Social Aspect, 2.30 p.m. Friday: Discussion on "Grit Emission" and Lecture on "Air Raids Precautions and the Public Health Services," 10 a.m.

Friday-Monday, September 10-13.

Institution of Municipal and County Engineers. Southern District Meeting. At Jersey.

Saturday-Saturday, September 11-18.

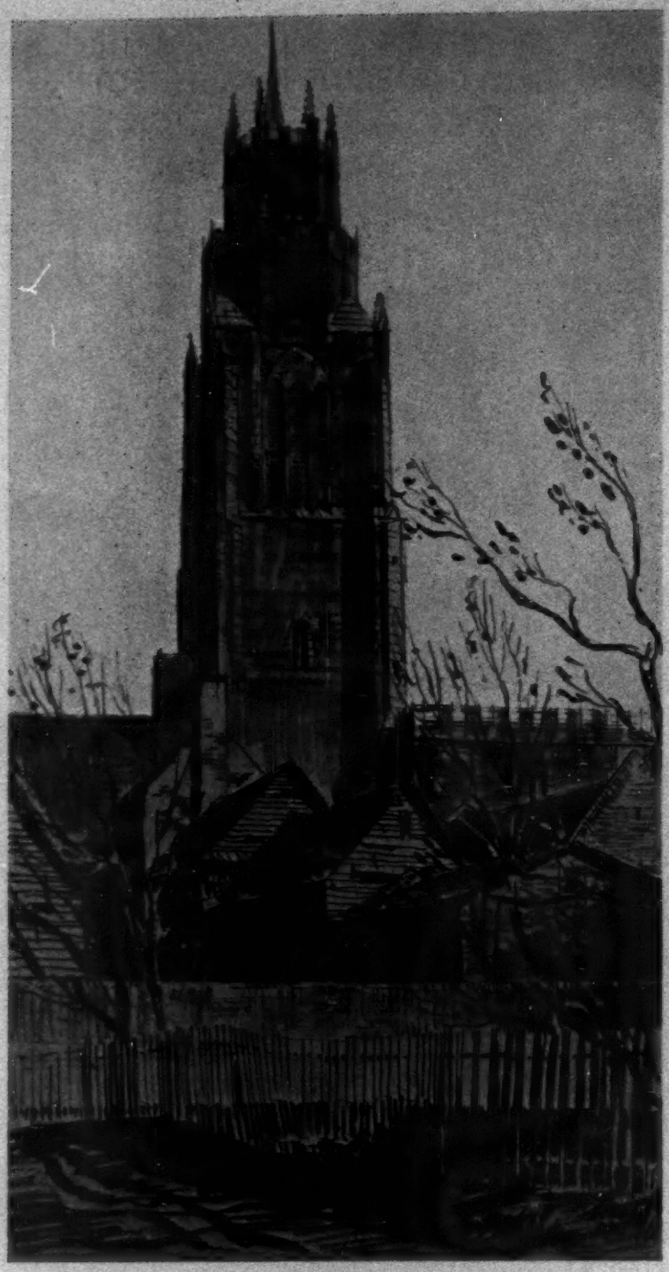
Architectural Association. Annual Excursion to Paris.

Sunday-Wednesday, September 26-29.

British Commercial Gas Association. Annual Conference. At Manchester. Sunday: Evening, programme of gas publicity films; Monday: Tour of Blackpool or the Lake District; Evening, reception; Tuesday: Morning, business session, followed by luncheon and afternoon session, which includes a visit to Wythenshawe; Evening, dinner; Wednesday: Business session, followed by luncheon; Afternoon, Ship Canal tour or visit to Trafford Park.

Friday and Saturday, October 1 and 2.

Town Planning Institute.—Nineteenth Annual Autumn Meeting. The County Hall, Westminster Bridge, S.E.1.



SUTTON CHURCH.

FROM A DRAWING BY MR. W. SUDDABY.

TOPICS OF THE DAY

THE S.P.A.B. ANNUAL REPORT

WITH ever-increasing vigour the S.P.A.B. continues its work on behalf of old buildings. Its annual report, just issued, is one of great interest, containing as it does an account of the sixtieth anniversary dinner (at which the guest of honour was His Royal Highness the Duke of Kent), when some very readable speeches were made; as well as a report of the annual meeting, at which Mr. Oswald Barron, F.S.A. (Maltravers Herald), gave an entertaining address on the subject of "Protection." This excellent reading matter is well supported by illustrated and other commentaries on the varied activities of the Society.

We note with pleasure that the Windmill Section continues to do excellent work and that frequent appeals for assistance reach the Society's offices from millers, owners of mills and from members of the general public. It is surprising to read, however, that the "news value" of windmills has given to certain owners of derelict mills an exaggerated idea of the value of their property, and that on several occasions the price asked was so exorbitant that the Society was unable to recommend their purchase, with the result that these mills are becoming more derelict and stand, as the Report says, "a monument to the greed of their owners." In spite of disappointments, however, the number of mills repaired during the past year has been considerable.

Under "Notes on Cases" reference is made to All Hallows Church, Lombard Street, which, in spite of the well-considered protest of many competent bodies, is to be demolished. "It is an amazing thing," comments the Report, "that while it has for long been practically impossible to pull down a piece of an ancient church to add a vestry or an organ chamber in the Victorian manner, or even to carry out an old-fashioned 'restoration,' it really is possible to destroy a whole church!" The Report suggests that what is required is some new legislation by the Church Assembly to secure that cases like that of All Hallows should come before the Advisory Committee at the very beginning of any scheme. Should the Church continue to show itself an inefficient custodian, there will probably be a strong movement to have these old buildings scheduled as Ancient Monuments.

Among the many other matters of interest referred to in the Report is that of "'Floodlighting' in Ancient Churches." While we do not question the excellence of the Society's advice in the case particularly mentioned (that of Ashbourne Church, Derbyshire) we are not sure that floodlighting should be condemned on principle. Much depends upon how it is done. In certain cases, by means of appropriate floodlighting, much of the interest of a fine old roof may be revealed that would otherwise be lost in impenetrable gloom, even in daylight. The Report, which is excellent value for 2s. 6d. may be obtained from 20, Buckingham-street, Adelphi, London, W.C.2.

RESTORATION OF STAPLE INN

IT is perhaps natural that as modern constructional development goes forward in town and country we should hold in increasing affection those buildings of bygone ages, eloquent of the work of men's hands and the way in which builders grappled with simple materials and processes in an endeavour to produce structures of utility and durability.

Such buildings, especially in our towns, are becoming increasingly rare in view, no doubt, of the value of the sites they occupy, and it is therefore with satisfaction and a deep sense of pleasure that we have heard of an old building on an important site which has been retained and restored by its owners. This is the Holborn side of Staple Inn, whose black half-timbered work with white infilling and cantilevered upper stories have for over 350 years been a feature of Holborn. Some account of the work that has been necessary to safeguard the external wall to Holborn and to render the interior habitable is given elsewhere in this issue, but we should like here to compliment the owners, both upon a public-spirited action and upon their choice of architects and engineers, which has so abundantly been justified.

The photographs illustrating our article indicate some of the liberties which had in past years been taken with this structure. Beams had been cut away or pierced at random; oak supports had been cut through to permit additional means of access; ingenious but often valueless use had been made of iron cramps to hold together shrunken or rotten beams and uprights; and the front Holborn wall was leaning well out of the vertical. In the opinion of the technical experts it is nothing short of a miracle that the building did not collapse.

This peculiar faculty of standing in defiance of all structural laws is one of which there are many examples—of which Westminster Hall roof and St. George's Chapel, Windsor, readily come to mind. It is almost as though they were imbued with that quality which Kipling described:—

"And so hold on when there is nothing in you,
Except the will that says to you—Hold on!"

But such quality cannot endure for ever, and it is as well that periodic surveys should be made—as is done in the case of most of the important structures in the country.

THE HOLIDAY CAMP

THE holiday camp is a development of fairly recent date with which one must have a good deal of sympathy on social grounds, as it permits many young people to enjoy a country or seaside holiday who might otherwise, on the score of cost, be unable to have an annual vacation.

The subject has, however, another aspect, which is less pleasing. The site almost invariably chosen for the holiday camp is on the sea coast, in proximity to a main road if possible (no doubt for advertising purposes). And observation of such camps shows that, in a large number of cases, the establishment consists of a number of shacks, railway carriages or old caravans grouped round a central building. The appearance of these camps is too often derogatory and unsightly, and indicates that no form of professional advice has been taken in regard either to lay-out or design of buildings. It is in such cases we feel that local authorities should exercise more stringently their powers of control.

We recently saw a number of camps in the Isle of Wight which fall within this category and have considerably detracted from their delightful surroundings. In the island, however, is another example which shows what can be done by the intelligent laying-out of a small estate with an old mansion adapted as an administrative building and club house.

Several other examples of architect-planned holiday camps have come to our notice, and we learn that any extra cost in securing a well-planned and neatly-designed establishment has been more than recouped by increased bookings and low maintenance charges.

The holiday camp has been established sufficiently long to prove that it is an institution likely to continue indefinitely, and in this circumstance the owner who initially makes a good job of his camp is laying out his money to the best advantage.

NOTES AND NEWS

R.I.B.A. Schools Exhibition.

THE R.I.B.A. Exhibitions Committee have organised an Exhibition of Schools which will be opened for a week at 66, Portland-place, on October 12, by Professor John Hilton. It will show the planning and equipment of buildings erected under Governmental control and will, as far as possible, illustrate the principles set out in the Board of Education pamphlet 107, in which the belief is expressed that public elementary schools should be not only educational but social and cultural centres as well. The buildings illustrated, which will include a few foreign examples, will be only of executed work. At the close of the run at Portland-place, the Exhibition will go on tour in the provinces, but will be brought back to London for the "News Chronicle" Exhibition at Dorland Hall, which opens on December 20.

This Exhibition is a timely one, in view of present Governmental and public interest in education, of which adequate, well-planned buildings are a prime factor.

A Report on Trunk Roads.

THE Joint Committee set up between the C.P.R.E. and the Roads Beautifying Association has now issued its report on Trunk Roads. This report has been prepared impartially by some acknowledged experts on subjects closely affecting the development of the roads of to-day and the roads of the future. It exemplifies and extends the points made by the Minister of Transport in his recently published "Recommendations to Local Authorities on the Lay-out and Construction of Roads." Following a most interesting account of the historical development of roads, the report deals with modern needs under three heads: I. Traffic; II. Preservation of Amenities; and III. Construction. It includes a number of excellent illustrations. Price 1s. 6d., it may be obtained from 4, Hobart-place, S.W.1.

Parliament Buildings, Stormont: An Addition Proposed.

A BELFAST firm have been awarded the contract for the new office building to be erected on the roof of the Parliament Buildings at Stormont, Belfast. The proposal, when first put forward, aroused some opposition in view of the possibility of such a building being unsightly and out of place, and the opinion of the architect of the Parliament Buildings, Sir Arnold Thornely, F.R.I.B.A., had to be obtained. After examining the plans he gave them his approval, stating that the new structure would not in any way mar the beauty of Stormont as the high parapet surrounding the roof of the building would effectively conceal the new offices from view. The work, which will cost about £24,000, is to begin immediately.

An Architect's Estate: Gift to R.I.B.A.

MAJOR WILLIAM HOWE GREENE, O.B.E., F.R.I.B.A., of Lancaster Gate, W., late of St. Johns, Newfoundland, who died on June 23, left estate in Great Britain of the gross value of £8,930, with net personalty £8,758. He left, among other bequests, £1,500 to the R.I.B.A.

Bristol Corporation Architecture: Need for Co-ordination.

THE Bristol Salaries Committee are of the opinion that, having regard to the growth of architectural work of the departments of the corporation, steps should be taken to secure co-ordination. The principal officers have conferred and reported that the question of setting up an architectural section and placing it under the control of one of the principal officers is worthy of consideration. The Committee therefore are asking the Council to authorise them or some other committee to report on the question.

A Retirement: Mr. John Keppie, R.S.A., F.R.I.B.A.

AFTER an association with the architectural profession extending over 50 years, Mr. John Keppie, R.S.A., F.R.I.B.A., has retired from active professional life by resigning his partnership in the firm of John Keppie and Henderson. Mr. Keppie served his articles with the Glasgow firm of Campbell Douglas and Sellars, and played a considerable part in designing (with Mr. Sellars) the buildings for the International Exhibition held in Glasgow in 1888. Among his works are Anderson's College Medical School; the Parish Church of Skelmorlie; the Canal Boatmen's Institute, Glasgow; a large portion of the offices of "The Glasgow Herald"; Jordanhill College School; Auchterarder Parish Church; and, in collaboration with Mr. Honeyman, the restoration of Linlithgow Abbey. For many years he acted as a governor of Glasgow School of Art, and from 1920 up till last year he was chairman of the Board of Governors. Some years ago he founded the John Keppie Scholarship in Architecture and Sculpture in connection with the School. He was elected to Associate membership of the Royal Scottish Academy in 1920, and was raised to full membership in February of the present year. He is a Fellow and past member of the Council of the Royal Institute of British Architects, of which he was appointed a vice-president in 1929. The good wishes of the profession will go with him in his retirement.

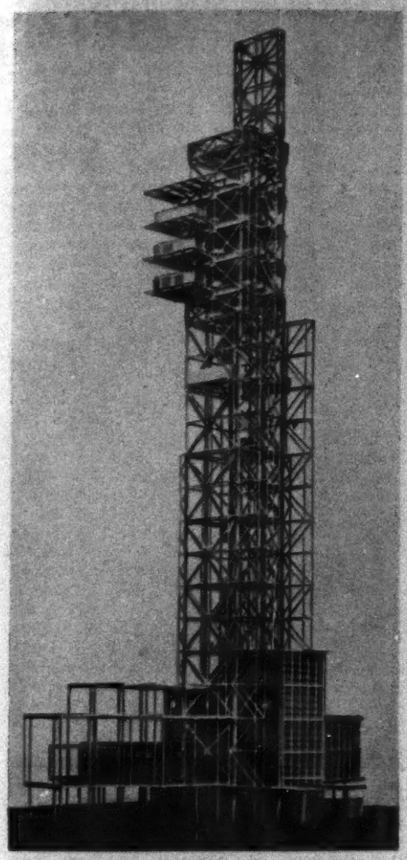
Sir H. Hughes Stanton: An Appreciation.

MR. SELWYN BRINTON writes as follows: The loss of Sir Herbert Hughes Stanton R.A., P.-P.R.W.S., leaves a gap in our London art world which cannot easily be filled. Mr. Russell Flint, R.A., who now is taking his place as President of the Royal Society of Painters in Water Colours, has said of him that "he was compact of kindliness, skill and knowledge. . . . His technical skill, particularly in water-colours, was remarkable of that finer kind which makes no ostentatious display. He should be remembered for the series of large landscapes in oil, many of them noble conceptions, contributed annually to the Royal Academy. His Presidency of the Royal Society of Painters in Water Colours gave him great pleasure. He ruled it wisely for 16 years." The present writer had experience of this kindliness and sound business qualities in the Exhibition of British Water Colour Art at Milan, which he organised for several years with Sir Herbert as chairman, and under the gracious patronage of Queen Mary, in which his judgment and selection were invaluable. He had a

From the S.P.A.B. Annual Report.

GREAT CHISHALL MILL, CAMBRIDGESHIRE. (See page 269.)

[An Appeal for funds to repair this Mill is being made by the S.P.A.B.]



GREAT TOWER, GLASGOW EXHIBITION: Model of Structural Frame.
MR. T. S. TAIT, F.R.I.B.A., Architect.

fine private collection of the lesser-known English XVIIIth century portraitists. His paintings are to be found in the galleries of the world.

Scottish Pavilions at the Glasgow Exhibition.

THE two pavilions in which Scotland's national and municipal life will be shown at next year's Empire Exhibition at Glasgow, will be the first of the exhibition buildings to catch the eye of visitors entering Bellahouston Park from the Paisley-road. A start will shortly be made with their erection. The accompanying illustration, by Mr. Basil Spence, the Edinburgh architect who is associated with Mr. Thomas S. Tait in designing the Scottish Pavilions, shows how the North Pavilion will look when finished. It will have a frontage of 350 feet, and will be surmounted by a many windowed tower 120 feet high, from which at nightfall will flash beams of coloured light. Floor-to-ceiling windows will be a distinctive feature of the building. The Scottish lion rampant and appropriate heraldic symbols will form the exterior mural decorations, and surrounding the pavilion will be a paved walk and beds of gaily coloured flowers. In the entrance hall there will be a symbolic statue, 25 ft. high, and on the walls will be mural paintings, the work of young Scottish artists, descriptive of Scotland's history, its romantic associations, sport, industries and pastimes. In order to achieve unity of treatment, the Scottish Committee, which is planning the exhibits, have asked Mr. Basil Spence to supervise the general lay-out of the South Pavilion. Mr. R. Mervyn Noad, the Glasgow architect, will be responsible for the interior of the North Pavilion.

A photograph of a model on this page shows structural details of the 300-ft. tower which will shortly rise on the site of the Exhibition. Special steel will be used in its construction, and, when completed, the tower will be permanent, should it be desired to retain it. The tower is taking shape rapidly, and within the next month or so should be visible above the trees on top of the hill. Mr. T. S. Tait, F.R.I.B.A., is the architect.

T. Raffles Davison: An Overseas Appreciation.

WE have received from Mr. William Lucas, F.R.G.S., of Melbourne, Australia, an appreciation of the late Raffles Davison. Mr. Lucas writes that their first meeting, after an acquaintanceship by correspondence which began about 1880, was in 1908, and the meeting place the Royal Academy, "where we stood together in conference before the Epstein sculptures for the British Medical Headquarters in the Strand." Mr. Lucas's appreciation is full of delightful reminiscences of Davison, and recalls some of his well-informed comments on English architecture during the past fifty years.

A Bristol Architectural Appointment.

MR. F. R. STEELE, A.R.I.B.A., P.A.S.I., A.M.I.Struct.E., of the Borough Engineer's Department, Huddersfield, has been appointed Architect to the Education Committee of the City of Bristol.

1914 Expeditionary Force Monument, Boulogne-sur-Mer.

A FRENCH sculptor, Monsieur Desruelles, is responsible for a statue in stone of "Britannia," which is now being carved in a shed at Boulogne-sur-Mer in France. This statue will commemorate the landing of the first units of the British Expeditionary Force during August, 1914. From the sculptural point of view, the history of the statue is of interest. When originally the money was subscribed in France, two or three years ago, it was decided to erect a statue in bronze, but the technical difficulties were many, and there was also the question of exposing the metal to sea-fog. Accordingly, the original idea was abandoned, and it was decided to proceed with a statue cut out of a very hard stone, quarried at Auville in France. As the statue is something like 36 ft. high and will be mounted on a base about 50 ft. high, it will be a landmark, visible on a clear day, for many miles in the English Channel. The design has been taken from the "Britannia" on the English penny.

Physical Training and Recreation: Capital Grants.

THE National Fitness Council and the Grants Committee issue a booklet called "National Fitness—The First Steps," containing a statement of the way in which the Council and the Committee will help local authorities and voluntary organisations to make a fitter nation (published by H.M. Stationery Office, price 2d.). It is stated that the amount of grant which will be made towards the cost of an approved scheme for providing new opportunities for physical recreation will normally range from 25 per cent. to 75 per cent. of the accepted estimate of the cost, but in exceptional circumstances these limits may be varied. For example, when a community centre is proposed, the amount of grant will partly depend on the extent to which the plans make provision for a gymnasium or other facilities for physical training and indoor exercise.

Sports Stadiums in Russia.

THE Soviet Trades Union Council has announced an extensive building programme for this year in the domain of sport and physical culture. Five new stadiums are to be opened within the next few months. Altogether the new stadiums to be built this year number 15, and the boating stations 20. Next year, it is stated, many new sports grounds are to be built in Karelia, where every district will have its own stadium and boating station.

Professional Announcements.

MESSRS. STANLEY PEACH AND PARTNERS announce that on and after August 16 their new address will be 28, Eccleston-square, S.W.1. Telephone number is at present, Victoria 0272

MR. WALLACE S. CHAPPLE, A.I.A.S., quantity surveyor, is removing to new offices at 10, Great James-street, Bedford-row, W.C.1. The new telephone number will be Chancery 7710. The change takes effect as and from Monday, August 16.

THE (NORTH) SCOTTISH PAVILION, GLASGOW EXHIBITION. (See this page.)

CORRESPONDENCE

[While we are glad to publish letters on professional and other matters of interest to our readers, it must be understood that we do not necessarily endorse the remarks of correspondents, who will oblige us if they will express their views as briefly as possible.]

Collapse of Copper Hot-water Cylinder.

SIR,—Herewith I send a photograph which might interest your readers. It is that of a collapsed copper hot-water cylinder, removed from the Peak area, Hong Kong, the collapse being caused by leaf-cutting bees filling the expansion pipe with nesting material very similar to finely chopped hay, which was so tightly packed as to be airtight, with the result that when the cold feed cock was closed to permit repairs and a tap opened on the draw-off side, a vacuum was formed, the cylinder then collapsing by atmospheric pressure.

Other collapses have occurred. One was caused by, after emptying the system and executing repairs, the stop cock from cold supply being opened. Owing to the pressure on the cold feed side being very low, no taps being open to permit the escape of air, and, as was discovered later, the expansion pipe being choked with a leaf-cutting bees' nest, very little water entered the system.

The fire was then lighted for testing purposes, and shortly afterward banging noises were heard coming from the system. The plumber carrying out tests was somewhat alarmed. He quickly drew the fire and closed the cold feed cock. A minute or so later he was amazed to see the cylinder gradually collapsing in front of him. It is obvious that the water contained in the system when the fire was lighted was quickly converted to steam, and when the fire was drawn, condensed, causing a vacuum which the cylinder could not withstand.

Other expansion pipes were found to be choked in a similar manner, and now periodical inspections are made, the expansion pipes being tested by tapping, a dull sound being given where the bees have commenced their nesting, which is generally found in the bend nearest to the open end.

GEO. W. GREY [F.R.I.B.A., F.S.I.].
Hong Kong.

SEE LETTER ON COLLAPSED COPPER HOT-WATER CYLINDER.

The Five-year Plan For Roads.

SIR,—In the General Election of 1935, Mr. Neville Chamberlain, who was then Chancellor of the Exchequer, said, in a broadcast on November 2, with reference to road improvements: "I am in a position to tell you to-night for the first time that we are now embarking upon a five-year plan which will involve the expenditure of no less than £100,000,000." This was generally accepted by both the public and those directly connected with road transport as a promise that the work contemplated would be carried out within the period stated.

Nearly two years later we find that only one-tenth of the amount in question has been expended, and during the debate on Friday, the 9th July, on the Ministry of Transport vote, Captain Hudson, Parliamentary Secretary to the Ministry, said: "I do not think that there was any pledge that the work would be completed in five years."

In view of this statement, it would seem that the definition of a "five-year" plan needs clarification.

Yours faithfully,
R. GRESHAM COOKE,
Secretary.

British Road Federation,
120, Pall Mall, S.W.1.

COMPETITION NEWS

Belfast Water Offices Competition.

FIFTY-SEVEN designs have been submitted for the proposed new offices of the Belfast Water Commissioners. Premiums of £300, £200 and £100 are offered for the first, second and third designs respectively. Mr. Austen Hall, F.R.I.B.A., is the assessor, but we learn that before he makes his award the designs are being displayed at a public exhibition in the Belfast Municipal College of Technology.

CURRENT COMPETITION.

Secondary School, Gloucester, for Governors. United Schools. Major H. Straiton Davis, F.R.I.B.A., assessor. Premiums: £200, £100 and £50. Conditions from Clerk to Governors, Belsize House, Gloucester. Dep. £1 1s.	Particulars published in "Builder."	Sending in date.
	May 7	
	May 21	Aug. 24

CARDIFF ELECTRICAL SHOWROOMS

A VISIT to the new showrooms of the Cardiff Electricity Department, arranged jointly by the Cardiff Civic Society, the Central Branch of the South Wales Institute of Architects, and the Welsh School of Architecture, Cardiff Technical College, took place a short time ago. There was a good gathering of members when the visit started in the demonstration theatre, where light refreshments were provided and two films were shown.

Mr. Percy Thomas, P.-P.R.I.B.A. (the architect for the work) explained the scheme, and Principal Rees, Vice-Chancellor of the University of Wales and chairman of the Cardiff Civic Society, thanked the Electricity Department of the City of Cardiff for the arrangements which had been made for the visit. He pointed out that one of the objects of the Civic Society was the spreading of beauty in Cardiff outward from the Civic Centre, and that in the building of their showrooms the Electricity Department had taken a step in this direction. He congratulated the Electricity Department and the City Council on having appointed Mr. Percy Thomas as their architect for this work, and pointed out that the University of Wales is shortly to confer an honorary degree on him.

The visitors were then divided into four parties and were shown round the building by Mr. Percy Thomas and the officials of the Electricity Department.

SCANDINAVIAN HOSPITAL PRACTICE

A DELEGATION from the Westminster Hospital has recently visited a number of modern hospitals of Northern Europe to study the organisation, methods and equipment in use in those countries. In Stockholm, Helsingfors, Tallinn, Dantzig, and Copenhagen a dozen large hospitals were visited. The party included Mr. Bernard Docker (chairman of the hospital, whose yacht was placed at the disposal of the delegation); Mr. J. D. C. Couper, one of the building committee for the new Westminster Hospital; Mr. E. Rock Carling, the senior surgeon; and Mr. Charles Power, the secretary.

A report is now in course of preparation, but the Secretary, in a description of the tour, states that the problems facing Scandinavian and British hospitals had much in common. In both instances the chief difficulties were economic. Scientific methods of treatment had advanced so much that many hospital buildings had become out-of-date, and with the improvement in conditions in the last two years much rebuilding was in progress. The influence of the British hospital system was apparent to the visitor. As an example, the floor-covering used throughout Scandinavian hospitals was linoleum, supplied by British manufacturers, as the the example was supplied by British hospital practice. Their sanitary equipment—to-day of a wonderful standard of excellence—was nearly all British made. The delegation were shown many helpful examples of modern equipment making for economy in upkeep. In only one hospital, however, was there any attempt to make the building proof against gas in the event of war. That provision consisted merely of an air-conditioning plant to serve the corridors, so that in a gas attack all the patients would have to be moved into the corridors. By contrast, the new Westminster Hospital would be gas-proof to a height of 30 ft. or 40 ft.

A general tendency to reduce the number of patients in a ward was noted. Frequently the maximum number of beds to a ward is six, and quite a large proportion of patients—non-paying patients—are in separate rooms The object is to give all the privacy and comfort possible; and the visitors found that a great amount of attention is being paid to-day to comfort as distinct from treatment. They came to the conclusion that that attitude must adversely affect the efficiency of supervision and nursing. In the countries they visited the proportion between nurses and patients ranged between one nurse to four patients and one nurse to seven patients, whereas the average in British hospitals to-day is one nurse to 2½ patients.

The delegation were anxious to know how the hospitals in Northern Europe dealt with out-patients. They discovered that, with the exception of the large hospital now being built in Stockholm, none of the hospitals had any out-patient department, and that the sick who did not go into hospital were left to the care of State insurance schemes—a system which, in the view of the visitors, might result in delay in diagnosis. The plans for the new Stockholm hospital, however, provide for an extensive out-patient department on British lines. When the new Westminster Hospital is completed its out-patients will be treated on a new system, by which in-patients and out-patients will be brought together under one medical and nursing service. The delegation were interested to find that the new Stockholm hospital had adopted the same principle, which they believed unique when their own hospital in London devised and published it

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Architectural Assistantship, Barrow-in-Furness.

Applications are invited by Barrow-in-Furness C.B. for the post of architectural assistant in the Borough Engineer's office. The salary scale is £175 per annum, rising to £255 per annum. This latter figure was given in error in an advertisement last week as £225. Applications must be made to the Town Clerk by August 16.

THE RECONSTRUCTION OF STAPLE INN, HOLBORN.

FRONT ELEVATION TO HOLBORN, SHOWING SHORING IN POSITION.

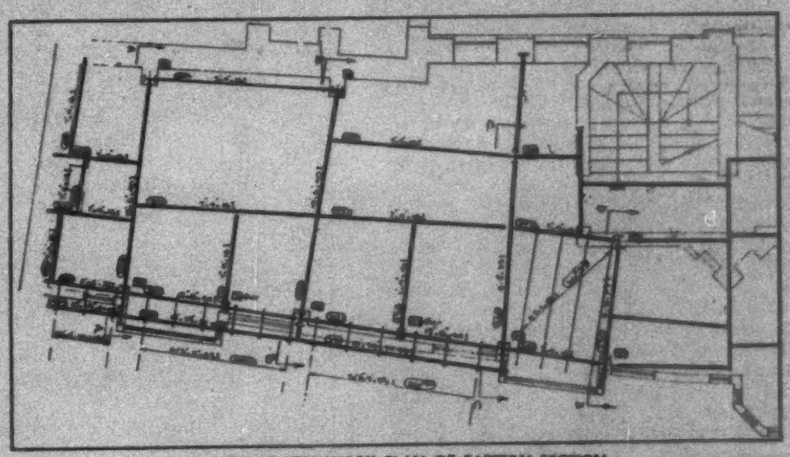
WRITING in the reign of King James I, a chronicler described Staple Inn as the "Fayrest Inne of Chancerie," and to many generations of Londoners the old timbered houses and the courts behind them have seemed indeed a fair, cool retreat from the noise and bustle of modern London.

There are indications that the oldest of these houses was built in the reign of Edward VI, or nearly 500 years ago. Two of them are believed to have been built by Vincent Enghame, in 1589. Thus in Staple Inn, Holborn has a tangible link with the Wars of the Roses and the days of the Spanish Armada.

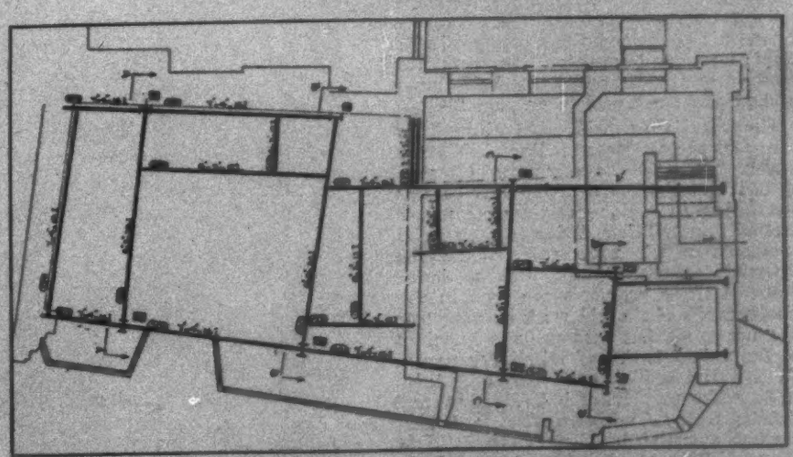
For many months now the front of the inn has been in splints, heavy shoring and scaffolding hiding the familiar gabled houses.

Nearly two years ago the Surveyor to the owners, the Prudential Assurance Co., in co-operation with Mr. E. W. Spiller (of Messrs. Daniel Watney and Sons), commenced a survey with a view to restoration. Almost every timber was either fractured, rotten, or eaten away by beetles, sometimes all three. The "life," too, had gone from much of it, so that it was as brittle as a lump of coal. Such was the condition of the timbers that, in the words of the architects, it was nothing but a miracle which kept the building from collapsing into Holborn. Some of the chimney-stacks were found to be nearly 2 ft. out of plumb. The front was shored up, a measure possibly taken not a day too soon. Piecemeal restoration was out of the question. Nothing less than complete rebuilding or reconstruction of the interior was feasible. Mr. Spiller prepared a scheme which was submitted to and approved by the Society for the Preservation of Ancient Buildings and the Royal Fine Arts Commission.

The Prudential Assurance Company, the owners of Staple Inn, in undertaking



FIRST-FLOOR STEELWORK PLAN OF EASTERN SECTION.



GROUND-FLOOR STEELWORK PLAN OF EASTERN SECTION.

The plan of the Central and Western portions, which "reads on" to these plans, is not reproduced.

the work of restoration, had a two-fold problem to solve; to make the houses safe for all time and, at the same time, to preserve their old-world appearance. Little of the ancient timbering remained sound, and so it was decided to build into the existing structure a framework of steel to which the original façade could be bolted. Every effort had to be made to preserve two characteristics: the Tudor frontage and the Georgian back which forms one side of the courtyard, Staple Inn, in the process of early restoration, having acquired a double-face. It was also desirable that the interior accommodation should be made modern, and the adaptation of the existing plan to these requirements was no easy matter. Half the work of restoration is now completed, and already tenants have taken up their quarters in the wing east of the central archway.

To passing Londoners the old houses show little evidence of renovation, but inside there is much which has been changed. The cramped and creaking quarters in which lawyers of the past three centuries drew up their ambiguous documents are no more. Now there are light, modern shops and offices with up-to-date sanitation, the last an amenity of which a few months ago this part of Staple Inn was more or less innocent. But such of the ancient timber as was sound has been employed, and everything done to retain the aforetime atmosphere of the place. Work has now begun on the western wing, and it is hoped that before the end of next year the task will have been completed.

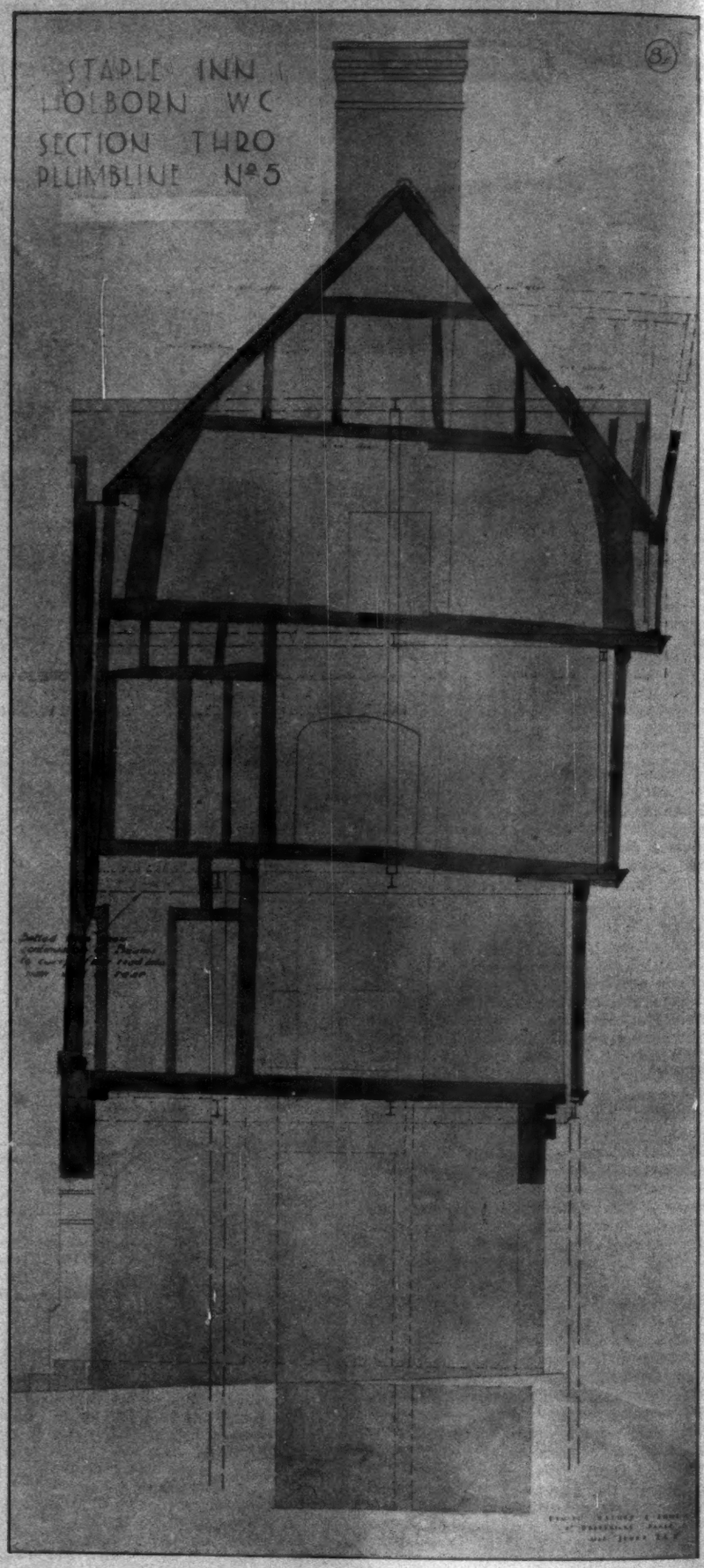
The Work of Restoration.

The general scheme was to provide within the building a self-supporting steel frame which would pick up the front wall and hold it rigidly in position, while the interior was gutted, and the back wall taken down and rebuilt in Georgian style. That wall was only 9 in. thick, and consisted of two 4½ in. skins built in lime mortar and virtually unbonded. It was some 80 ft. long and stood over 35 ft. high without any pier support or buttress. It appears to have been put up somewhere about 1790 or a little later in order to conform with the general design of the inn courtyard, which was erected at that time. It hides the little that is left of the old timber framing of the original back elevation.

Plans showing the steelwork on the ground and first floor of the first (east) section are on page 273; a section through the building before reconstruction, showing the approximate position of the steelwork, is on this page, and the steelwork in its final form and position, showing the method of attaching to it the half-timber and plaster front wall, is on page 276.

The work is a considerable triumph for the architects (Messrs. Daniel Watney and Sons), and the engineers (Messrs. B. L. Hurst and Peirce), who have carried out a job in which pre-planning was a virtual impossibility, owing to the special problems which were revealed as the internal structure was broken down. Some of these problems are seen in the photographs of the old work on page 275. Shoring as a safety measure was installed in December, 1935, and rebuilding proper on the first section commenced in July, 1936. Messrs. Holland & Hannen and Cubitts, Ltd., 1, Queen Anne's-gate, S.W.1, carried out the building contract, and Messrs. Dorman, Long and Co., Ltd., supplied the steel.

[See Editorial comment, page 269.]



CROSS-SECTION THROUGH BUILDING SHOWING OLD TIMBERING AND APPROXIMATE POSITION OF NEW STEEL FRAME.

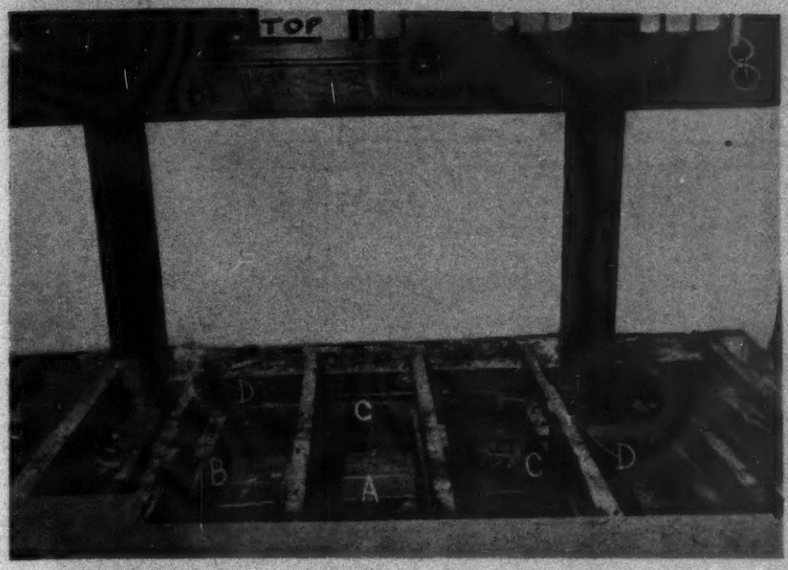


FIG. 1.

Fig. 1. This view is at the top floor, West End, of No. 6 Staple Inn. The photograph is taken looking at front wall. This shows how the overhang of the front gables is constructed. The plate "A" rests on the timber framing below. The main floor joists "B" are carried over this plate as cantilevers to support the plate "C," which carries the overhanging structure of the gable. It will be noted how, in one or two instances, as at (D), timber has been badly attacked by worm.

Fig. 2. This photograph shows the way in which one of the main structural beams had been cut away at some time or another in order to accommodate a staircase which has since been done away with.

Fig. 3. This is a photograph taken on the second floor of No. 6 Staple Inn, showing a sectional view of the back wall. The portion "A" is the projecting bay which is carried out in timber construction and roughcast externally. "B" is the main back wall. It can be seen that this is only 9 in. thick, and in a very bad state of structural repair. Not only is it out of plumb, but to all intents and purposes it consists of two skins of brickwork only, bonded together here and there. The mortar is in a perished condition. It should be emphasised that this wall would appear to be only 9 in. in thickness for the whole of its height, whereas to be in conformity with modern views on strength and stability it should be not less than 17½ in. in thickness for the bottom story and 13½ in. in thickness for the two stories above, the remaining portion being not less than 8½ in. in thickness. "C" is one of the main timbers of the old timbered back elevation. It can be seen how this has gone over towards Holborn, with the rest of the building.

Fig. 4. This view is at the Top Floor, West End, of No. 6, Staple Inn. In this photograph, the left-hand cord is vertical. The right-hand cord is parallel to the gable window overhanging Holborn. From this the extent of the movement which has taken place can be seen.

FIG. 2.

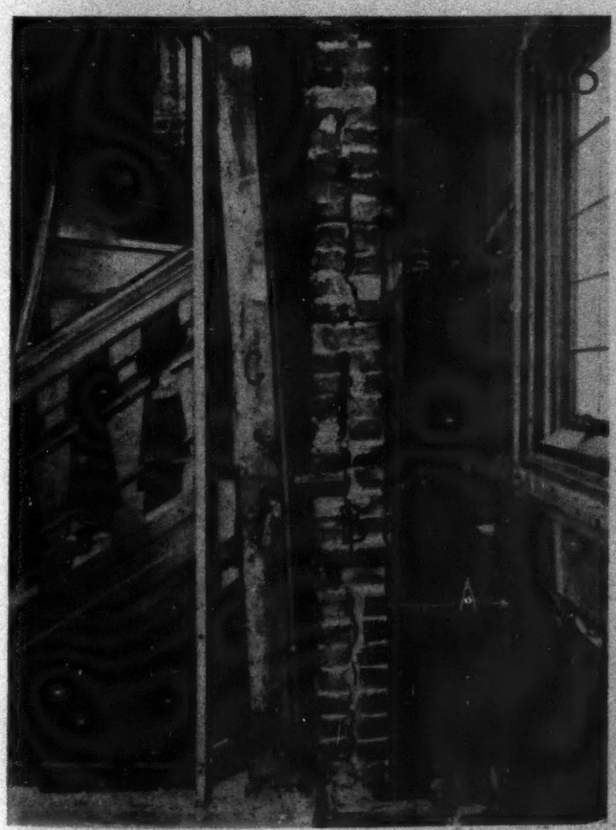
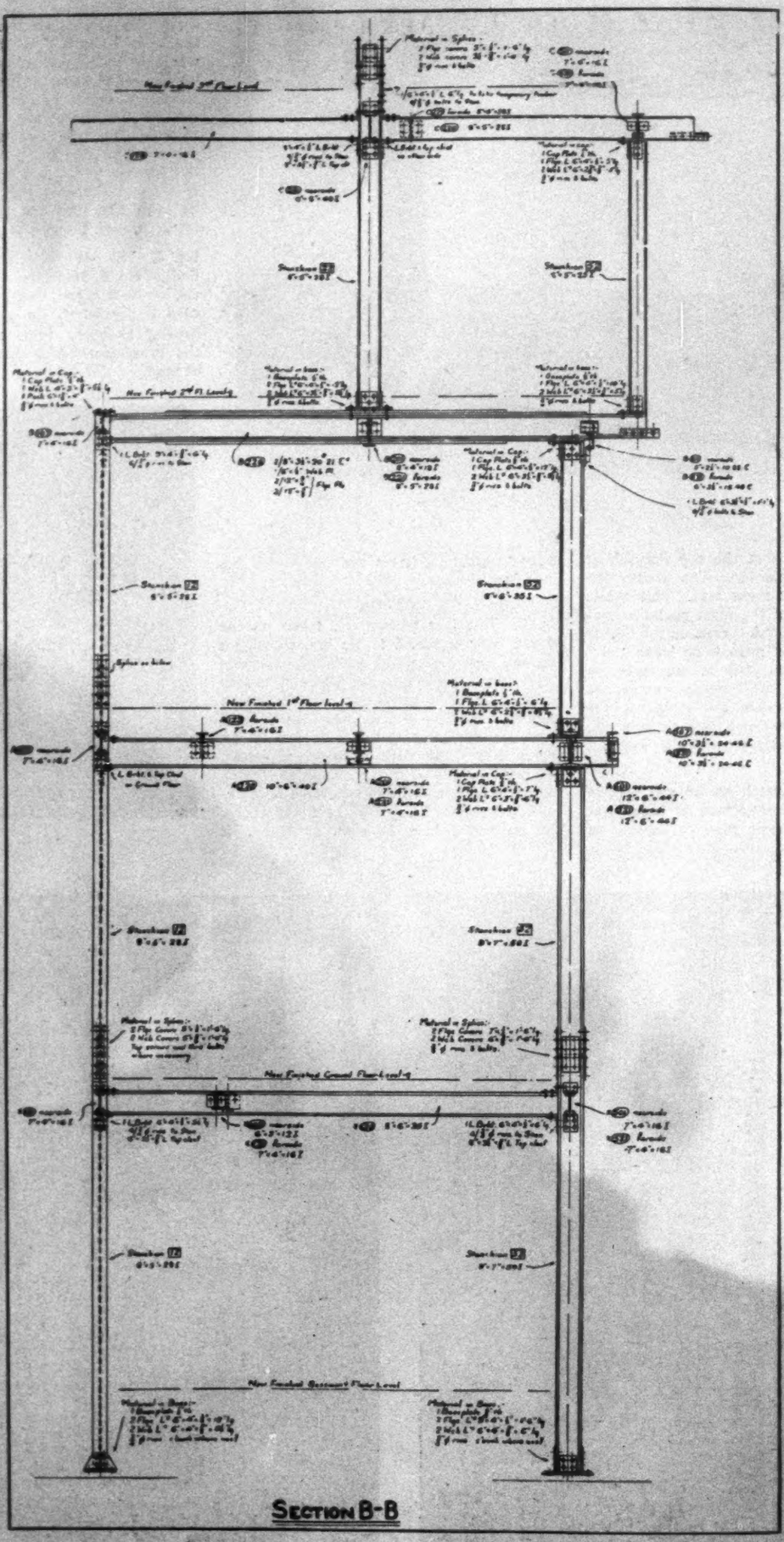


FIG. 3.

FIG. 4.



SECTION B-B

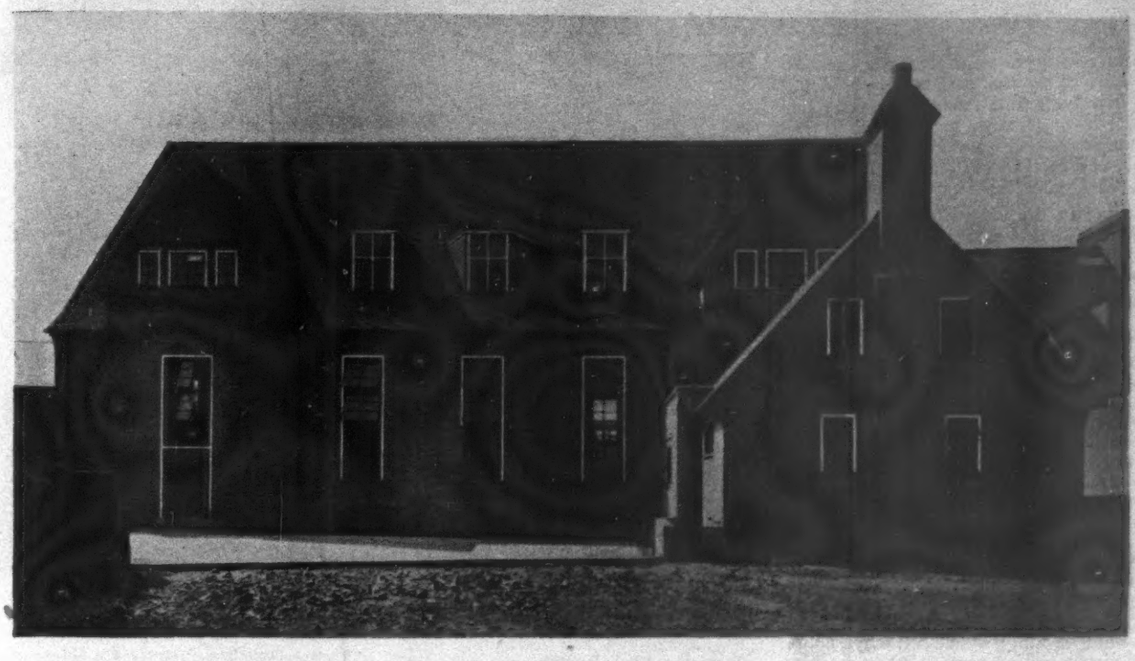
RESTORATION OF STAPLE INN, HOLBORN.

CROSS-SECTION B-B THROUGH THE BUILDING, SHOWING NEW STEEL FRAME.

(See Plans on page 273.)

A NEW GYMNASIUM AT BERKHAMSTED SCHOOL, HERTS.

MR. H. P. G. MAULE, F.R.I.B.A., ARCHITECT.



THE REAR ELEVATION.

THE ENTRANCE FRONT.

A NEW GYMNASIUM AT BERKHAMSTED SCHOOL, HERTS.

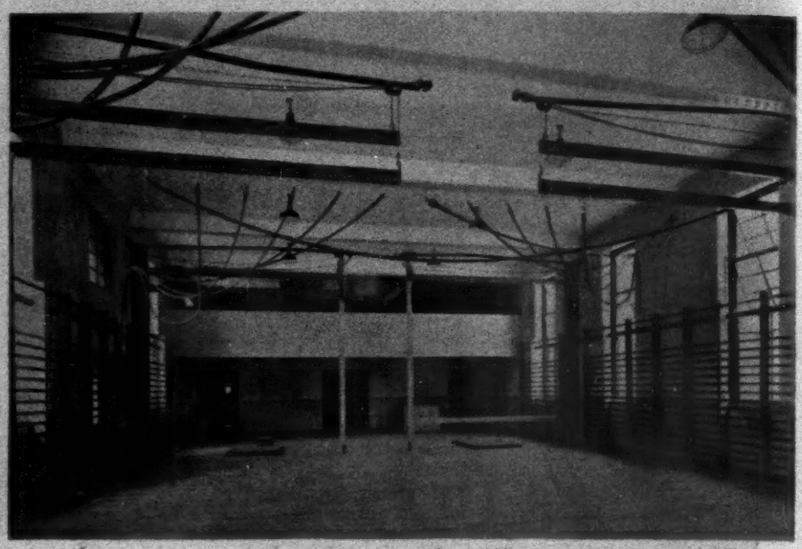
MR. H. P. G. MAULE, F.R.I.B.A., ARCHITECT.

THE new gymnasium building, opened on June 25 by the Earl of Cavan, K.P., has been built from funds collected by the school from old boys, parents and friends of the school and from donations from the boys, at a total cost of some £7,000, exclusive of gymnasium apparatus.

Owing to the nature of the subsoil, it was decided to design it as a steel-framed structure encased with hand-made, sand-faced bricks, with a hand-made tile roof. The ground floor is planned to contain the maple-floored gymnasium, 66 ft. long by 35 ft. wide, and its accessories, comprising instructor's room and store, changing room, shower and lavatories. The showers are designed on the new method now advocated by the Board of Education, which consists of a battery of sprays so arranged that the class passes quickly through a narrow alleyway containing some 10 or 12 sprays, set at about shoulder-height, throwing a lateral jet of warm water. The shower-bath is followed by a vigorous towelling and ensures rapid progress in changing after the gymnastic practice.

The floor of the changing-room, shower alley and lavatory is laid with hydraulically compressed asphalt tiles, a new method of floor construction which possesses many advantages, being absolutely waterproof, warm and quiet to the tread and pleasant in appearance. A gallery, 35 ft. by 22 ft. deep, approached by a stairs from the main street entrance lobby, forms the ceiling over the instructor's rooms and projects some 10 ft. over the gymnasium floor. The floor space thus gained on the gallery will be used by the younger boys for boxing, and it also gives accommodation to spectators without bringing them on to the gymnasium floor.

On the first floor over the gymnasium and gallery, and approached by a separate stairs with access to the street, accommodation is provided for day boys, and consists of two large day-rooms, each 35 ft. by 22 ft., with windows on three sides. In addition, there are two prefects' and two housemasters' rooms, each approximately 11 ft. square. Adequate space is also provided for hanging hats and coats. Particular attention has been given by the architect to the colour scheme throughout so as to convey a general atmosphere of light and sun and warm, pleasant colouring.

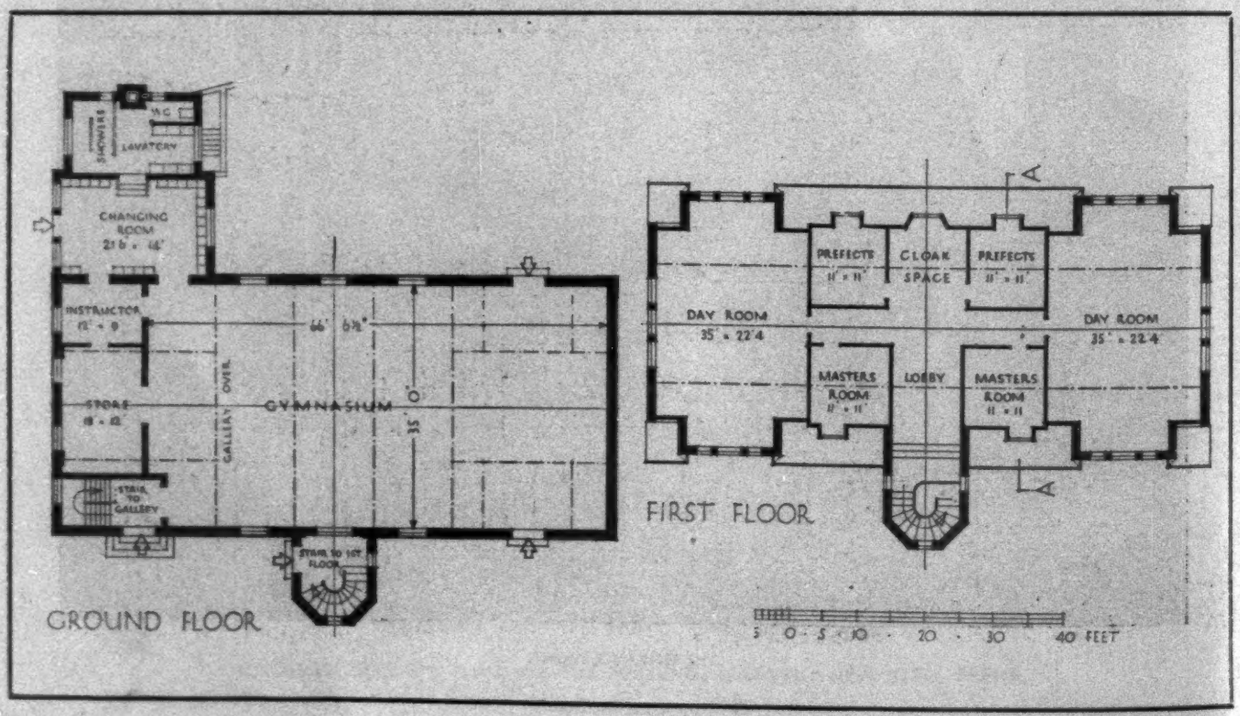


THE GYMNASIUM INTERIOR.

The walls of the gymnasium are plastered and distempered, and the walls of the day-rooms and corridors are lined with stained and waxed blockboard—a modern method which should be both serviceable and economic in upkeep as well as pleasant in appearance. The building is heated with low-pressure hot water with radiators in the rooms and concealed panel heating in the ceiling of the gymnasium. Mr. B. L. Hurst was consulting engineer.

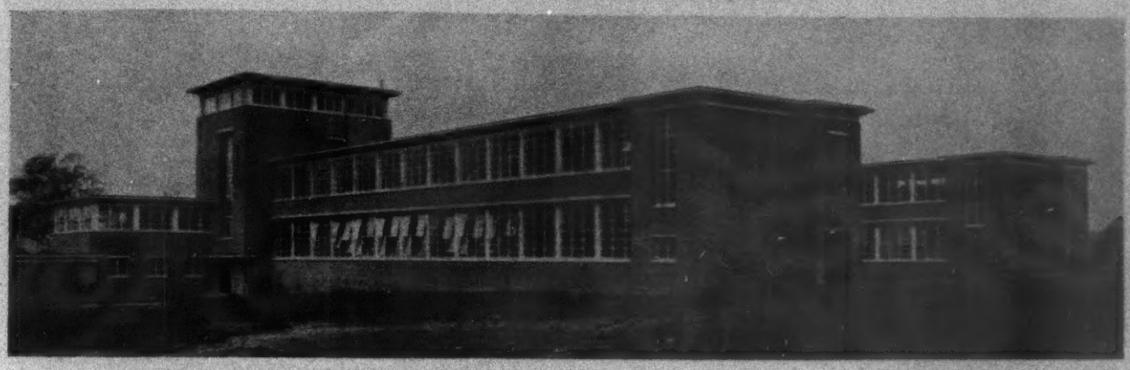
The general contractors are Messrs. H. and J. Matthews, Ltd., of Berkhamsted, and the following sub-contractors, states the architect, have performed their several parts in a thoroughly sound and first-class manner :—

Steelwork, Dawnays, Ltd.; tile roofs, R. Y. Ames; steel windows, Henry Hope and Sons, Ltd.; jarrah-block floors in the day-rooms and special maple floor in the gymnasium, Acme Flooring Co.; heating and hot-water work, Jeffreys and Co., Ltd.; paint and distemper colours, Murray and Jones, Ltd.; ironwork for stairs and railings, C. Hall; locks and special fittings, Yannedis and Co.; electric lighting, Tyler and Freeman; and gymnastic apparatus, T. M. Gardiner, Ltd.



THE DE BOHUN SCHOOL, SOUTHGATE, FOR MIDDLESEX C.C.

MR. W. T. CURTIS, F.R.I.B.A., COUNTY ARCHITECT, AND MR. H. W. BURCHETT, A.R.I.B.A., ASSISTANT ARCHITECT FOR EDUCATIONAL BUILDINGS.



VIEW FROM SOUTH-EAST

THIS school is erected on a site of about 5½ acres on the north side of Green-road. It is a two-story structure generally, with a tower over the main entrance. Immediately adjoining the latter are the staff-rooms, medical inspection room, kitchen, etc.; at the rear of the tower is the assembly hall block; the two classroom wings are built at right angles to the latter block, giving all classrooms a southern aspect.

The school is designed to accommodate 434 infants and 386 juniors in the following rooms:—Ground Floor: Infants' assembly hall, infants' playroom (separated from assembly hall by a folding partition), eight classrooms for 48 scholars each, head teacher's room, medical inspection room, kitchen, cloakroom and lavatory accommodation, and stores.

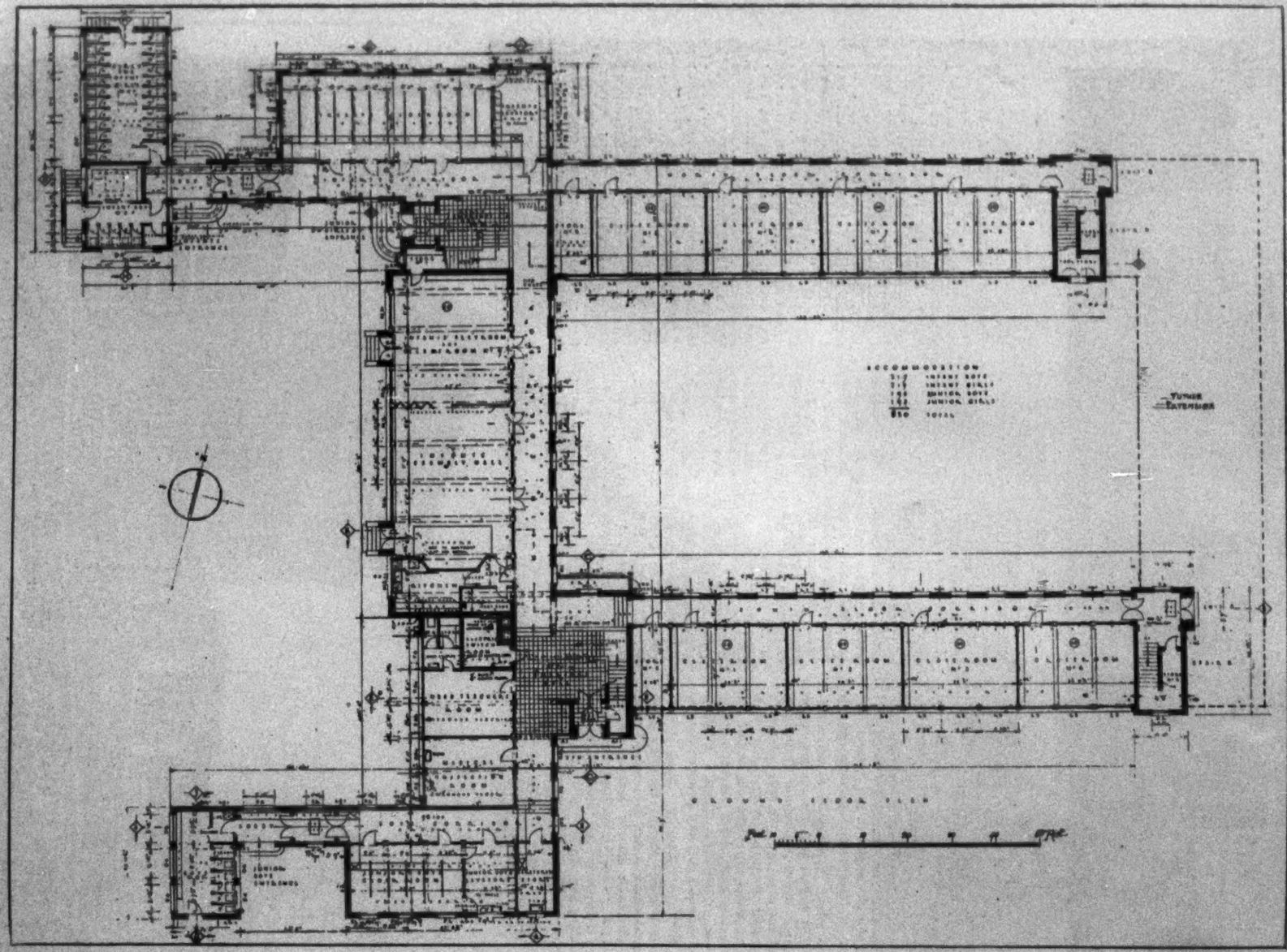
First Floor: Junior assembly hall, seven classrooms for 48 scholars each, one classroom for 50 scholars; head teacher's room, mistresses' common room, cloakroom and lavatory accommodation, and stores.

Second Floor: Masters' common room with lavatory and store accommodation.

The building is of fire-resisting construction throughout, the walls being of brick, and floors, stairs and flat roofs of reinforced concrete. The external facings are in red bricks, and all windows are metal casements fixed direct to brickwork. The internal walls are plastered throughout and distempered, with painted dadoes. The floors are of oak blocks in the assembly halls, classrooms and staff-rooms, and granolithic paving in the corridors and cloakrooms, etc. All internal doors are of the flush type. Heating is by low-pressure hot-water apparatus, and artificial lighting by electricity; clocks and class-changing bells are also operated by electricity.

The building work has been carried out to the design and under the supervision of the County Architect, Mr. W. T. Curtis, F.R.I.B.A., and Mr. H. W. Burchett, A.R.I.B.A., Assistant Architect for Educational Buildings, at a cost of about £26,000 (including cottage), the general contractors being Messrs. James Stewart and Sons (Tottenham), Ltd. Sub-contractors are:—Electrical installation, G. A. Weston; heating and hot-water installation, Grant Engineering Co.; tarpaving and tarmacadam, Chittenden and Simmons, Ltd.; gas installation, Southgate and District Gas Co.; concrete reinforcement, Indented Bar and Concrete Engineering Co., Ltd.; facing brick, Basildon Brick Works, Ltd.; asphalt work, W. Salter Edwards and Co., Ltd.; flooring (wood block), Bennett's "Tungit" Wood Flooring Co., Ltd.; metal windows, J. Gibbons and Co., Ltd.; reinforced concrete roof lights, J. A. King and Co., Ltd.; sanitary fittings, T. A. Harris, Ltd.; artificial stonework, D. G. Somerville and Co., Ltd.; flush doors, Central Perivale, Ltd.; sliding partition, Educational Supply Association, Ltd.; ironmongery, Clark, Hunt and Co., Ltd.; wrot-iron gates, T. W. Palmer and Co., Ltd.; classroom desks and tables, Smith and Co., Bennett Furnishing Co., Ltd., and Educational Supply Association, Ltd.; chairs, Smith and Co.; blinds, Tidmarsh and Sons; and classroom cupboards, Wealdstone Joinery Co., Ltd.

DETAIL OF MAIN ENTRANCE.



THE DE BOHUN SCHOOL, SOUTHGATE, FOR MIDDLESEX C.C.: Ground-Floor Plan.

MR. W. T. CURTIS, F.R.I.B.A., COUNTY ARCHITECT, AND MR. H. W. BURCHETT, A.R.I.B.A., ASSISTANT ARCHITECT FOR EDUCATIONAL BUILDINGS.

FLATS AT HAVERSTOCK HILL, HAMPSTEAD, N.W.

MR. ARTHUR S. ASH, L.R.I.B.A., ARCHITECT.

THIS block of flats is situated on the corner of England's-lane and Haverstock Hill, Belsize Park. The building is of modern design. A feature has been made of the balconies, one having been provided to every flat. There is also a roof garden. Flats have been designed to give the maximum amount of air and space.

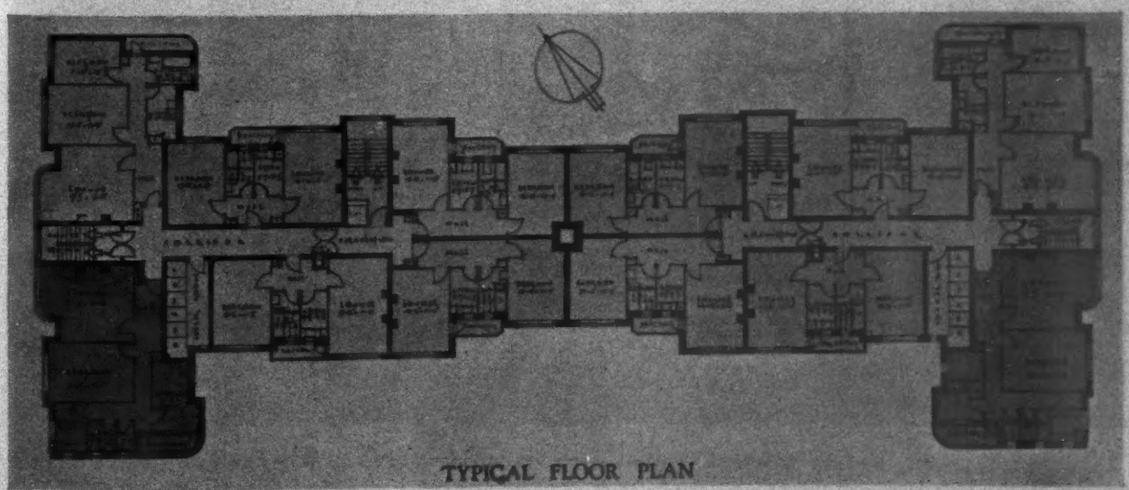
There are two types of flats, the large type of three rooms, kitchen, bathroom, entrance hall. The smaller flats consist of two rooms of ample proportions, kitchen, bathroom and entrance hall. Two automatic electric lifts serve all floors, and separate tradesmen's stairs are conveniently placed for the service of each flat. Radiators have been supplied to all living-rooms and halls, and in addition a coal fireplace is installed in the sitting-room of each flat. Constant hot water is available day and night.

Each kitchen is equipped with a refrigerator, a specially designed dresser fitment and ample cupboard room, and facilities for gas or electric cooking. There is also a delivery hatch for milk, etc., and sanitary bin cupboard, both of which open into the flats from the corridor. Cupboards have been provided in the halls and kitchens of all flats, including heated linen cupboards. Lockers have been provided on each floor for the use of tenants at a nominal rent, in which trunks, boxes, etc., can be stored. A resident porter is in attendance.

The rentals vary from £132 to £175 per annum, inclusive.

The general contractors were Messrs. Rowley Bros., Ltd., Tower Works, Dunloe-avenue, Tottenham, N.17, and the sub-contractors employed were: E. C. Blackmore, Clapham, S.W.4, wrought-iron balustradings, etc.; A. Goldstein and Co., S.E.1, "Copperlite" glazing; R. Cattle, Ltd., N.W.10, oak handrailing; St. Helens Cable and Rubber Co., Slough, rubber flooring; Holmes and Larkinson, Holloway, N.19, electrical installation; Norris Warming Co., Ltd., W.C.1, heating and hot-water installation; Flooring Contracts, Ltd., W.1, hollow-tile floors and reinforced concrete staircases; Scaffolding (Great Britain), Ltd., S.W.8, scaffolding; Evans Lifts, Ltd., S.W.1, electric passenger lifts; The General Asphalte Co., Ltd., S.W.1, asphalt and tar-macadam; Parkinsons (Wall Tiling), Ltd., N.15, wall tiling; Inlaid Ruboleum Tile Co., Ltd., E.8, linoleum flooring; and Victor Levy, W.C.2, carpets.

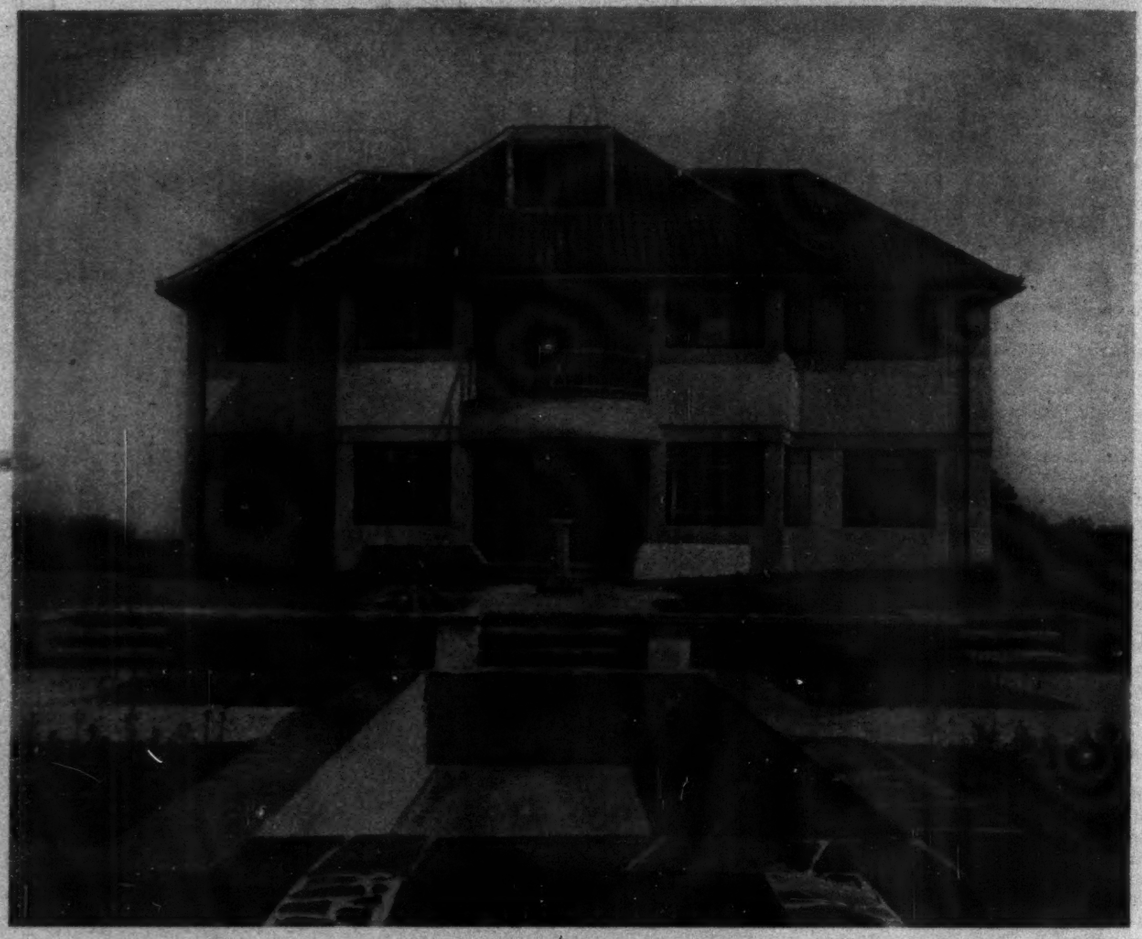
THE MAIN FRONT.



TYPICAL FLOOR PLAN

"CHANTERSELL": A HOUSE AT NUTLEY, SUSSEX.

MR. ERNEST A. CHILTON, F.R.I.B.A., ARCHITECT.



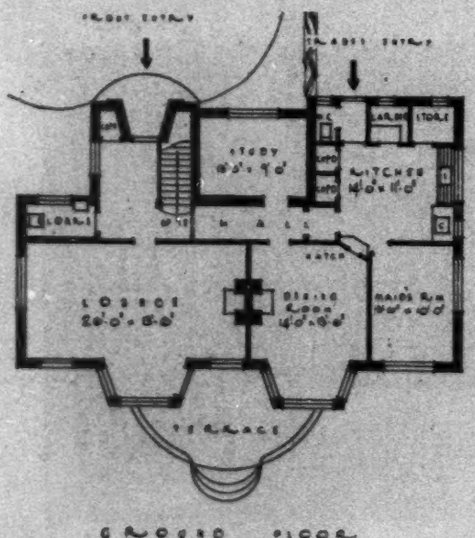
THE GARDEN FRONT.

The site for this house is on the top of high ground which falls away from the house to the south and west with magnificent views of the countryside and downs in the distance. To the north is a beautiful view of the top of Ashdown Forest, but to the north-east there are views of no particular merit. The house is therefore planned to take advantage of the situation.

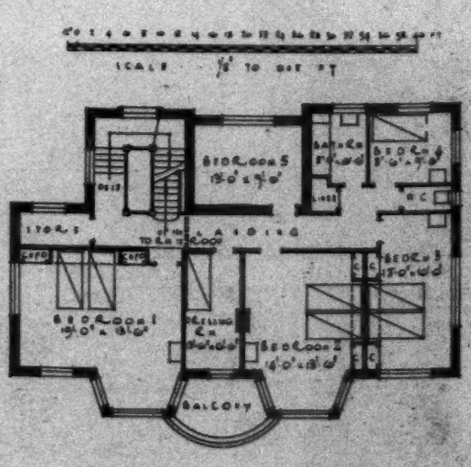
The roof is tiled with mottled autumn green and autumn brown tiles, and the walls are of brick rendered with "Cullamix" to a special light cream tint. Internally, other than for an Aga cooker, there is no coal-burning fire, the whole of the heating being done by electric fires and electric radiators placed in suitable positions. The water heating is done by electric water heaters, one to each lavatory basin, and a storage type for the bath, etc.

The floors are of secret-nailed pine throughout, except where there are rubber floors in the kitchen and bathroom, etc. The staircase balustrade is in oak, the panels being of veneered plywoods of rosewood, silverwood, and walnut.

The builders were Messrs. Turner and Gillham, of Nutley; the electrician, C. L. Clark, of Uckfield; special steel casements by Crittall Manufacturing Co., Ltd.



GROUND FLOOR



FIRST FLOOR

NEW BUSINESS HEADQUARTERS, MARYLEBONE ROAD, N.W.

MESSRS. J. STANLEY BEARD, F.R.I.B.A., AND W. R. BENNETT, ARCHITECTS.

THIS building has been designed to accommodate the headquarters of the National Cash Register Co., and, owing to the very specialist nature of this firm's productions, the conception of the design proved both intricate and interesting. The problem of design was to provide a building which would prove efficient in its internal arrangements and at the same time be of such a dignified design as befits Marylebone-road.

The nature of the business to be conducted in this building required that a certain circulation of goods and a sequence of operations should have first consideration. This necessitated the workshops and trade sections of the building being positioned on the upper floors, whilst the lower floors were used for showrooms, demonstration rooms and administrative offices. In consequence of this requirement, very heavy loads are imposed upon the fourth to sixth floors inclusive, as these are laid out as workshops, printing department with heavy running plant, plating and enamelling departments, repair and assembling shops, photographic department, heavy storage spaces, and in one case a paper-slitting department, which requires a storage of large rolls of paper.

The main showroom was required to be on the ground floor and to be entered from Marylebone-road. This showroom is 65 ft. long by 45 ft. wide and extends in height through two stories. At first-floor level the sides of the showroom are set back and an open balcony is provided, the balustrade of which is constructed of bronze and etched glass with internal illumination. The architectural treatment of the showroom and main stairs has been kept to simple plain surfaces in French walnut flush panelling, whilst the flooring is of quarxite with ebonite jointing. Opening off the main showroom and also off the balcony are numerous rooms which are used for the demonstration of cash registers and accounting machines. These rooms have been treated acoustically to obviate all undue noise. On the second and third floors are extensive suites of administrative and executive offices, and also a further showroom for accounting machines. The principal executive offices are panelled in French walnut in a similar style to the design of the main showroom. A feature of the ground-floor plan is the large convention hall at the rear of the main showroom. The hall has seating for 168 persons on a properly raked floor and is provided with a raised stage at one end. The convention hall is entered from a foyer approached from the main showroom. Beyond the main block of buildings is a covered garage and loading dock.

The equipment of the building is essentially up to date in every respect. Air conditioning is provided to all principal floors. Personal call installations, fast and fully automatic lifts, loudspeaker, internal telephones, etc., all go to provide a most complete equipment. The general architectural treatment of the exterior has been kept to a restrained classical style. The sixth floor above is set back from the main face of the building. The return façades are faced with artificial Portland stone.

Steelwork.

The building is constructed with a complete steel frame, so that the whole load of floors and walls is carried direct by steel beams and columns to the foundations. The number of internal columns has been reduced to a minimum in order to facilitate the allocation of departments, and 40-ft. span girders were adopted to give a spacious unobstructed area for the main showroom on the ground floor. These girders weigh 7 tons each. The consulting engineers were: Mr. John H. Farquharson, M.I.Struct.E. (structure), and Mr. J. Stinton Jones, M.I.Mech.E. (services).

The general contractors were Nox, Ltd., W.1, and among the sub-contractors: Steelwork, Rubery, Owen and Co., Ltd.; Portland stone, South Western Stone Co., Ltd.; hollow-tile flooring, concrete stairs and landings, etc., F. Bradford and Co., Ltd.; excavation and preliminary works, Allen Fairhead and Sons, Ltd.; steel reinforcement for retaining walls, Helical Bar and Engineering Co., Ltd.; reconstructed Portland stone, D. G. Somerville, Ltd.; metal windows, Henry Hope and Sons, Ltd., Birmingham; electrical installation, Berkeley Electrical Engineering Co., Ltd.; heating, ventilating and hot-water services, Matthew Hall and Co., Ltd.; sanitary services, Arthur Scull and Son, Ltd.; walnut panelling and oak entrance doors, John P. White and Sons, Ltd., Bedford; architectural metalwork, bronze grilles, etc., the Birmingham Guild, Ltd.; pavement and roof lights, J. A. King and Co., Ltd.; lifts, Waygood, Otis, Ltd.; granite plinth and stall riser, Anselm Odling and Sons, Ltd.; shopfronts, Courtney Pope and Co., Ltd.; carpets, Harrods, Ltd.; "Ruboleum" flooring, Inlaid Ruboleum Tile Co.; maple flooring and skirting, M. A. Morris, Ltd.; wall and floor tiling, Cope and Co., Ltd.; electric clocks, Instanta Electric, Ltd.; lighting fittings, Duncan Watson, Ltd., and Troughton and Young, Ltd.; ironmongery, Tannedis and Co.; "Hyrib" false ceilings and beam facings, Trussed Concrete Steel Co., Ltd.; sanitary fittings, Doulton and Co., Ltd.; oil firing equipment, S. H. Burroughes and Son; terrazzo, Fenning and Co., Ltd.; quarxite flooring, John Stubbs and Sons; steel roller shutters, Haskins, Ltd.; sprinkler and fire appliances, Automatic Sprinkler Co., Ltd.; iron staircases, Safety Tread Syndicate, Ltd.; house telephones, Reliance Telephones, Ltd.; flagstaffs and lightning conductors, J. W. Gray and Son, Ltd.; "Esavian" doors, Educational Supply Association; model of building, John B. Thorp; fibrous plaster work, F. De Jong and Co., Ltd.; metal screens and doors, Sankey, Sheldon, Ltd.; and lantern lights, Haywards, Ltd.

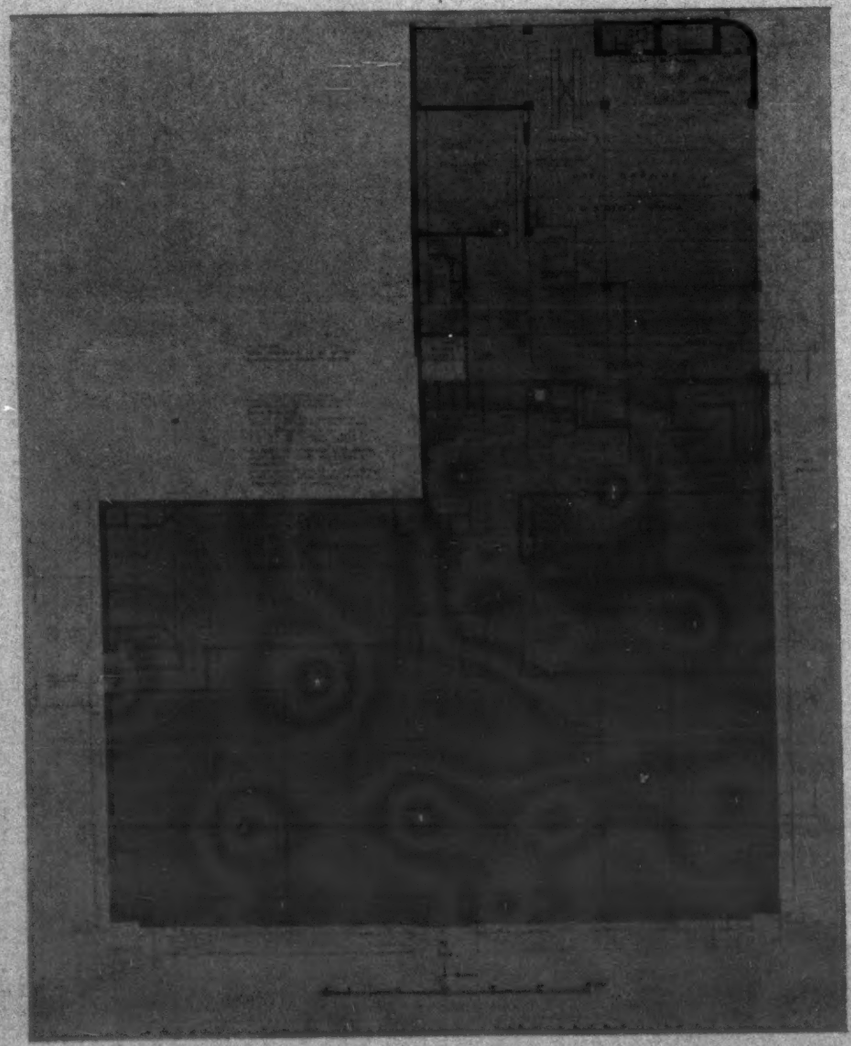
THE MAIN FRONTAGE (LEFT) TO MARYLEBONE ROAD, SHOWING RETURN TO BALCOMBE STREET.

THE MANAGING DIRECTOR'S OFFICE.

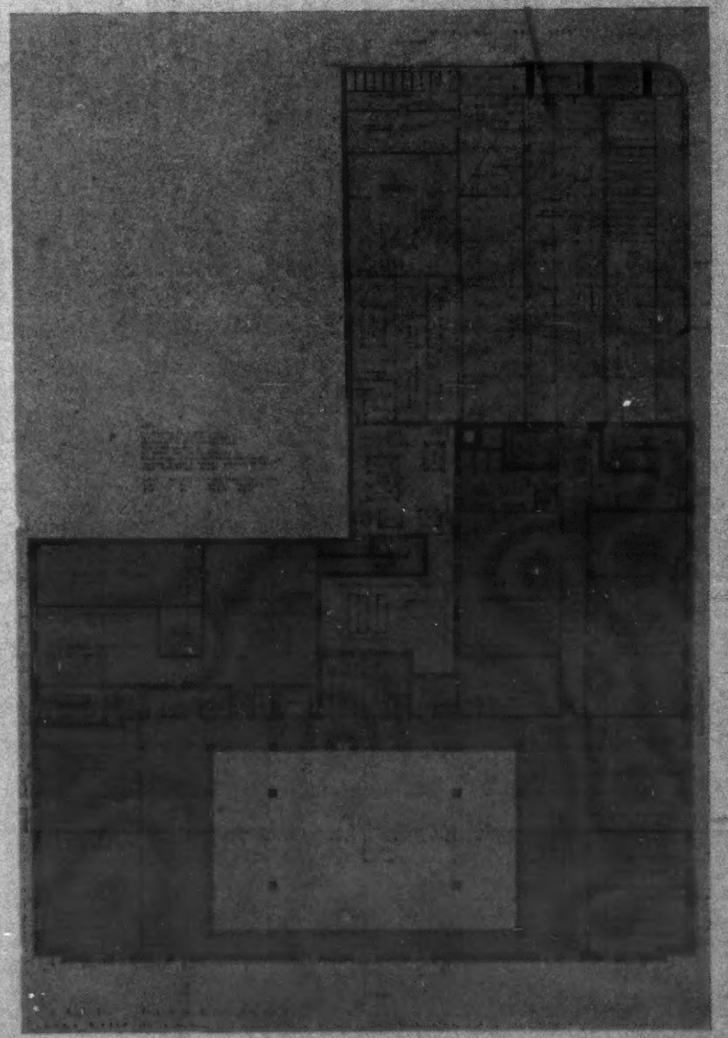
THE MAIN SHOWROOM.

NEW BUSINESS HEADQUARTERS, MARYLEBONE ROAD, N.W.

MESSRS. J. STANLEY BEARD, F.R.I.B.A., and W. R. BENNETT, ARCHITECTS.



GROUND-FLOOR PLAN.



FIRST-FLOOR PLAN

NEW BUSINESS HEADQUARTERS, MARYLEBONE ROAD, N.W.

MESSRS. J. STANLEY BEARD, F.R.I.B.A., and W. R. BENNETT, ARCHITECTS.

THE ANNUAL REPORT OF THE MINISTRY OF HEALTH

THE eighteenth annual report of the Ministry of Health, covering the year 1936/37, was published as a Command Paper* last week. It contains an introduction and seven parts, consisting of chapters dealing successively with the Ministry and the Public, Finance, Public Health and Assistance, Housing and Town Planning, Local Government Organisation and Finance, National Health Insurance and Pensions, and the work of the Welsh Board of Health. We summarise some of the principal chapters below :—

Finance.

£65,000,000 of Exchequer money was spent in 1936 on services administered by the Ministry, but only £2,200,000 of this went on central administration. The remainder consisted of grants to local authorities (including "block grants" of £40,000,000 and housing grants of £14,000,000) and to National Health Insurance Funds. The Ministry also accounts for the National Health Insurance Funds and administers the Contributory Pensions Scheme, involving the expenditure of £75,000,000.

Sanitary and Other Services.

The three services of water supply, sewerage and sewage disposal, and public cleansing (excluding street cleansing) now cost local authorities £22,400,000 a year in maintenance costs alone; as recently as 1900 the corresponding figure was only £5,000,000. Revenue expenditure on open spaces and playing fields, which was only £574,000 in 1900, was £4,293,000 in 1935.

Water Supply.—The average rainfall for 1936 was 9 per cent. above normal. The Ministry sanctioned loans totalling £4,212,000, compared with £4,180,000 in 1935. Rural water schemes have spread rapidly in the last few years: the £1,000,000 Exchequer grant provided in 1934 is being used to assist schemes for 2,300 parishes of a total estimated cost of £7,200,000.

Sewerage and Sewage Disposal.—The Ministry sanctioned loans totalling £5,413,000, compared with £4,416,000 in 1935.

Public Cleansing.—This, the oldest sanitary service of all, costs the rates about £11,000,000 a year. House refuse alone amounts to about 1 ton per year (or 6 lb. per day) per house. During the past five years the average weight of refuse has come down by 15 to 20 per cent., the result, it is thought, of less cinder and fine mineral dust, due to the greater use of improved fireplaces and of gas and electricity.

Parks, Recreation Grounds and Playing Fields.—The Ministry sanctioned loans totalling £3,196,002, compared with £2,467,245 in 1935. This includes the purchase of 9,069 acres (including 1,030 acres specifically for games), compared with 4,732 acres in 1935.

Public Baths, etc.—Large schemes were approved for covered baths at Coventry, Crewe, Kingston, Lancaster, Northampton, and Sutton and Cheam, and for open-air baths at Brighton, Nottingham, Stroud and West Ham. The cost of a number of open-air pools in the Special Areas will be assisted by special Government grants; these include schemes at Abercarn, Bridgend, Caerphilly, Merthyr Tydfil and Mountain Ash.

Hospitals

Local authorities are steadily building up a service of general hospitals, as an integral part of municipal health services, and in association with the voluntary hospital system. Ninety-two Poor Law Institutions, containing 50,073 beds, have now been appropriated, in whole or in part, as Public Health general hospitals. In the past seven years, local authorities have spent £3,936,000 in all on improving and extending hospital accommodation and ancillary purposes.

Housing.

Slum Clearance and Rehousing.—The year under review was the fourth of the five-year plan, which continued to make steady progress; up to the end of 1936, 100,355 houses had been demolished and 127,553 houses built to replace them. The end of the five years is expected to see the completion of the programmes except in London, Birmingham, Liverpool, Manchester and Leeds, who have special programmes which necessitate a further period of time. During the year local authorities "declared" 4,746 clearance areas, with a population of 226,111.

Abatement of Overcrowding.—A nation-wide survey of overcrowding revealed 341,554 of the 8,924,523 dwellings inspected to be overcrowded according to the standard of the Housing Acts. Fresh overcrowding ceased to be permitted for the areas of 96.6 per cent. of the local authorities during the year.

Concentration of slum clearance has limited the amount of direct building of new houses to relieve overcrowding, but it is being systematically and steadily abated in the meantime by rearrangements of the tenancies of existing houses.

Houses Built.—Local authorities built 71,734 houses, compared with 52,357 in 1935; 54,673 of the total replaced slum houses; 273,516 houses were built by private enterprise without State assistance; eight out of every nine of this total had a rateable value not exceeding £26 (£35 in Greater London) and an increasing number of these were built to let. The average cost of non-parlour subsidy houses was £324, compared with £310 in 1935.

Rural Housing.—The five-year plan of slum clearance in rural areas, which originally covered 33,000 houses, but was raised after revision to 51,000, is making good progress. The Overcrowding Survey included 1,447,918 houses in rural areas, of which 41,928 were overcrowded. It is felt that by co-operation between the councils and the Ministry the appearance of many new council cottages in rural areas has been improved without materially increasing the cost. The rate of progress in reconditioning existing premises under the Housing (Rural Workers') Acts is now double what it was in 1932-33.

Housing Subsidies.—Government subsidies for housing amounted to £14,330,894, a net increase of £333,341 over 1935. The annual charge for housing on local rates is about £3,300,000. The total capital expenditure on subsidised housing since 1919 is now £722,600,000, of which £469,000,000 is in respect of building by local authorities and £253,500,000 by private enterprise.

Town and Country Planning.

This year general progress in planning, especially in preserving the countryside, has markedly increased. Seventy-six schemes were submitted to the Ministry for approval, compared with 21 in 1935 and 5 in 1934; 16 schemes were approved (including one for the historic centre of the City of York), compared with 8 in 1935. Three-fifths of England and Wales (22,356,000 acres) is now under planning control—over 3,000,000 acres more than in 1935. Among the resolutions approved was one for the City of London, but the largest single area covered by a resolution approved during the year was 447,811 acres to be planned by the Leicestershire Joint Committee; other large examples were West Norfolk (320,187 acres) and South Norfolk (250,703 acres).

The provision of aerodromes by local authorities is essentially a matter of planning, and planning authorities are urged to consider this problem.

The Minister approved orders for preserving the Watergate at Bridgewater, Grange Court (the Old Market Hall) at Leominster, and a number of buildings (including the Town Hall) at New Romney. The Surrey County Council have published a list of all buildings of historic or archæological interest in the county, and it is suggested that other county councils might do the same.

Local Government Organisation.

No less than 595 series of local by-laws and regulations were confirmed by the Minister.

The general review of local government districts under the Local Government Act, 1929, is now practically complete. The final result is likely to reduce the total number of urban districts from 783 to 624 and of rural districts from 652 to 483. In addition, 33 urban districts have obtained Charters and are now boroughs; 41 out of 83 county boroughs have been extended and 189 out of 256 municipal boroughs have been altered. The review as a whole has secured that areas are placed under the form of local government appropriate to their needs and status, and a multitude of small anomalies have been rectified.

Local Government Finance.

The three main sources of local government revenues, are rates, Government grants and receipts from trading services, house rents and miscellaneous income. In the latest year for which complete figures are available, £154,782,080 was collected in rates; £124,353,931 was received in Government grants (of which £45,409,836 was block grant and £40,407,467 for education); and £181,568,094 was derived from other sources of income, including £116,000,000 from trading services (chiefly water, gas, electricity and transport). The total expenditure of local authorities for the same year was £80,657,889 on capital account, £100,984,164 on loan charges, and £353,775,105 on revenue account other than loan charges. The heaviest single item of expenditure was education. The gross outstanding loan debt of all local authorities at March 31, 1935, was approximately £1,421,500,000, a third of which was for housing.

The Ministry sanctioned loans for capital purposes totalling £81,180,557, compared with £68,068,021 in the previous year; £33,400,000 of this total was for housing, £15,700,000 for public health, including water supply, and £10,100,000 for education.

* Cmd. 5516, published by the Stationery Office, price 5s.

INDUSTRIAL ART AWARDS

THE Industrial Art Committee of the Federation of British Industries has again awarded prizes to students interested in industrial design, from the Royal College of Art, South Kensington. The work done in connection with the F.B.I. scheme has been shown in an exhibition at the Imperial Art Gallery, South Kensington, where members of the committee adjudicated for the awards. The prizes were as follows :—

FURNISHING FABRICS: 1st, Mr. J. O. Damm; 2nd, Miss E. J. Hunt, Tadworth, Surrey; 3rd, Miss M. Strickland, St. Leonards-on-Sea; commended, Mr. J. D. Binns, Bradford.

DRESS FABRICS: 1st, Miss M. Kirby, London; 2nd, Miss D. C. Gibbins, Addiscombe; 3rd, Miss A. Foulds, Bacup; 4th, Miss E. C. Messenger, Barnet.

HAND-TUFTED RUGS.: Miss C. T. Oates, Bradford; Miss M. S. Large, Teddington.

DRESS DESIGN: For the best dress designed and made: Miss M. J. Powell, London.

For a dress design on paper: Miss S. H. L. Walton, Beckenham.

For a dress design: Miss L. Harrison, Sheffield.

For dress accessories: Miss M. T. Watts, Sheffield.

METAL WORK: For objects in material other than silver: 1st, Mr. J. Warwick, County Antrim; 2nd, Mr. A. Littlewood.

FURNITURE AND INTERIOR DECORATION: For a design for the office of Principal of the College: Mr. R. H. Day, High Wycombe.

POTTERY.—Miss B. J. Heather, Bromley; Mr. H. Hammond.

COMMERCIAL ART: 1st, Miss N. E. Kay, Gerrards Cross, Bucks, for biscuit wrappers, box labels and match boxes; 2nd, Miss M. N. Wood; 3rd, Miss R. Greenwood and Mr. L. J. Griffin.

Since July, 1936, the Federation has noted that 93 firms have either employed free-lance artists introduced to them by the F.B.I. or engaged them for full-time work.

LAW REPORTS

KING'S BENCH DIVISION.
Before MR. JUSTICE SWIFT.

CLAIM BY ELECTRICAL ENGINEERS AGAINST BUILDERS.

Leonard G. Tate and Co., Ltd. v. Burley (Builders), Ltd.

This was an action brought by Messrs. Leonard G. Tate and Co., Ltd., electrical engineers, of 59, Chancery-lane, W.C., to recover from Messrs. Burley (Builders), Ltd., of 6, Broad-street-place, E.C., £215 17s. 6d. for electrical installation work executed for defendants on property of theirs at Kensington-court, W.

It was stated by counsel that the whole of the work executed by the plaintiffs for the defendants amounted to £315 17s. 6d., but plaintiffs had already secured judgment for £100.

The defendants did not now appear, and his lordship accordingly gave judgment for the plaintiffs for the amount claimed, viz., £215 17s. 6d., and costs, in default of defence.

CHANCERY DIVISION.
Before MR. JUSTICE FARWELL.

SEQUEL TO THE STRIKES AT EARL'S COURT.

Ross and Others v. The Electrical Trades Union.

In this case, the plaintiffs, Mr. H. V. L. Ross and seven other members, electrical engineers and former members of the Electrical Trades Union, claimed an injunction to restrain the Union, its officers, servants or agents, from acting on a decision of the Executive Council of the Union that the plaintiffs should be expelled from the Union or from treating the plaintiffs as having been expelled. The plaintiffs further claimed a declaration that the decision in question was void as being *ultra vires* the rules of the Union and as being contrary to natural justice.

The plaintiffs' case was that on February 2, 1937, they received notice from the Executive Council of the Union of a meeting on February 7 at the offices of the Union, at which they were invited to attend, because charges arising out of an unofficial dispute at Earl's Court would then be brought against them under Rule 6, Clause 44 (*g*), of the rules of the Union. The plaintiffs, who comprised the body known as the London Central Committee of the Union, alleged that the meeting, in fact, began the previous day, when the chairman of the Council took a prominent part in the discussion and expressed a strong opinion as to the course which should be adopted with regard to the plaintiffs' attitude in regard to the unofficial strike which had taken place at Earl's Court on January 1, 1937. The plaintiffs further complained that after the charges had been presented they were heard and asked to withdraw, no indication being given to them that further evidence would be heard by the Executive Council. No notice, it was said, was given to the plaintiffs of the adjourned meeting of February 8, at which further witnesses were heard, and they contended that it was contrary to natural justice that the charges should be heard without their being present throughout the hearing.

The defendants admitted that the plaintiffs were summoned to attend the meeting of the Executive Council on February 7, and having decided at the meeting of February 14 that the plaintiffs should be expelled from the Union; but all the other charges and allegations made by the plaintiffs were denied.

At the conclusion of the evidence and the addresses of counsel, Mr. Justice Farwell, in the course of giving judgment dismissing the action, having reviewed the facts of the case, said that so far as the rules of the Union were concerned, the attitude adopted by the London Central Committee was a breach of those rules, and in a sense a revolt against the governing body of the Union. At a meeting of the London Central Committee the men had been told that their strike was unofficial; but the Committee had undoubtedly agreed to support the strikers to the extent of giving them financial assistance. The plaintiffs could not dispute the line which they had taken with regard to the strike. They sought to suggest that the course which they had taken was a right one, and some of them intimated that it was a course which they would be prepared to take again in similar circumstances. All the plaintiffs were honestly of opinion that the Executive Council ought to have recognised the strike; but the Executive Council, on the other hand, had perfectly honestly taken the view that they could not recognise the unofficial strike in any way, and that being so, it was, said his lordship, the duty of every member of the Union to follow the Council's decision.

The question which he (the Judge) had to consider was one of construction, and nothing else. It was not for him to determine whether the action taken by the Council was such as a court of law would have taken. The plaintiffs complained that evidence had been called after their withdrawal. The only evidence on the charge was that the plaintiffs had taken certain action opposed to the policy of the union. It was plainly open to the Council to come to the conclusion that the plaintiffs' action had been such as to bring discredit on the Union. He held that the defendants, in the course which they took, had complied with the rules of the Union, and in those circumstances, there being no evidence of *mala fides*, the Court had no jurisdiction to interfere with the decision of the Council, and the action must be dismissed with costs.

Mr. C. S. Rowcastle, K.C., Mr. J. R. Ogilvie Jones and Mr. P. M. M. Oppenheimer appeared for the plaintiffs; and Mr. A. Grant, K.C., and Mr. Raymond Jennings for the defendant Union.

CHANCERY DIVISION.
Before MR. JUSTICE CLAUSON.

DISPUTE OVER REPAIRS TO CHAPEL STAINED-GLASS WINDOW.

Wonnacott and Others v. Falconer.

In this case the plaintiffs, the Rev. Canon Thomas Oswald Wonnacott, of the Rectory, Stonham-Aspal, Suffolk, the Venerable J. G. R. Darling, Archdeacon of Suffolk, and Engineer-Commander J. W. Hopkynn, of Meadlands, Stowmarket, the trustees of Gipping Chapel, Stowmarket, applied by motion for an injunction to restrain the defendant, the Rev. George Falconer, of Old Newton Vicarage, Stowmarket, from excluding the plaintiffs from Gipping Chapel for the purpose of inspecting and, if found necessary, repairing the east window of the chapel, and for that purpose removing the glass and reinstating it when repaired.

Mr. F. H. L. Errington, in support of the motion, said that the Court on June 3 last gave judgment holding that the defendant had ceased to be chaplain of the chapel as from March 25 last year, but that if the defendant gave notice of appeal the Court would be unwilling to grant an injunction. Mr. Falconer had given notice of appeal, but, said counsel, the injunction which the plaintiffs then asked for was not to disturb Mr. Falconer's possession, but to restrain him from excluding the plaintiffs from access to the chapel, removing the glass for repairs and reassembling it when repaired. He (counsel) stated that the chapel was an ancient building which had a beautiful east window of stained glass. The plaintiffs had taken the advice of an expert and had given instructions to a certain firm, who had made preparations to take away certain pieces of the glass from the window, but had been turned away by Mr. Falconer. Mr. Falconer had put in an affidavit, in which he stated that repairs had been done by a builder and decorator whom he referred to.

After hearing the arguments of counsel, his Lordship made an order that Mr. Falconer be restrained from excluding the plaintiffs from access to the chapel for the purpose of inspecting and doing such repairs to the window as they might consider necessary for its safety and that of its glass.

Mr. M. Hoare represented the defendant, Mr. Falconer.

HOUSE OF LORDS.
Before LORDS ATKIN, THANKERTON, MACMILLAN, WRIGHT and MAUGHAM.

RENT RESTRICTION AND NET RENT.

Strood Estates Co., Ltd. v. Gregory.

This case, which raised an important question under Section 12 (1) of the Rent Restriction Act, 1920, came before the House on the appeal of the Strood Estates Co., Ltd., from the judgment of the Court of Appeal, consisting of the President of the Probate, etc., Division, Lord Justice Scott, and Mr. Justice Eve, setting aside a judgment of the County Court Judge sitting at Rochester.

The action was brought by the company, the landlords, against the defendant, Mr. Frederick Gregory, the tenant of a cottage and garden known as 75, Temple Street, Strood, at the weekly rent of 8s. 6d., claiming £3 2s. 11d. as arrears of rent over a period from September 16 to January 20, 1936. Mr. Gregory denied being in arrear with his rent, and claimed to be entitled to recover certain overpayments of rent. The County Court Judge held that the standard rent of the premises in 1914 was 5s. 6d. a week; that the landlords were entitled to deduct the compounded rates in arriving at the "net rent"; and that certain repairs which had been done by the company on the premises were by way of structural alterations or improvements. He accordingly gave judgment for the company for the amount of their claim.

From this result Mr. Gregory appealed to the Court of Appeal, where it was held that, on the true construction of Section 12 (1) of the Rent Restriction Act, 1920, the sum in respect of rates to be deducted from the "standard rent" in order to arrive at the "net rent" was the amount which would have been chargeable on the occupier of the premises had the rates been directly payable by him. The judgment of the County Court Judge was accordingly set aside and the amount due to the company reduced to £2 12s. 10d. From this result the company now appealed.

Lord Macmillan, in delivering judgment, said the sum actually paid by the landlord as rates was 1s. 2½d. per week, and if the tenant had himself paid the rates the sum charged on him would have been fourpence per week more. The landlords naturally contended for the higher figure, as the permitted 40 per cent. increase of rent would be larger. The tenant, on the other hand, equally naturally asked for the smaller figure. Although the statutory definition of "net rent" was not very happily worded, he found little difficulty in agreeing with the reading adopted by the Court of Appeal. To arrive at the "net rent," the full rates chargeable on the occupier were to be deducted from the standard rent. He thought that the appeal should be dismissed.

The other noble and learned Lords concurred.

Mr. Linton Thorp, K.C., and Mr. Donald McIntyre appeared for the appellants, and Mr. T. Southall and Mr. J. D. Walker for the respondent.

Swimming Pool at Bournville.

In the description of the swimming pool at Bournville in our issue for July 23, it was stated that the pool was "rendered in a lemon-coloured tint." Messrs. Joseph Freeman, Sons and Co., Ltd., inform us that this is incorrect, the material used to secure the lemon-coloured shade being Cementone No. 7, synthetic tinted primer, applied to the finished concrete surface.

MODEL BY-LAWS—IV

By W. T. CRESWELL, K.C., assisted by NORMAN P. GREIG, B.A., Barrister-at-Law.

PART II.—BUILDINGS.

Materials Used in the Construction of Buildings: By-laws 8 to 18.

Hitherto building by-laws have been somewhat sparse in respect to the information given on materials. The new model is almost a complete specification of the principal materials used in the construction of buildings—bricks and concrete blocks, cement, sand, water, cement-mortar, cement-lime-mortar, black mortar, reinforced and plain concrete, steel reinforcement, cement concrete, dampproof courses, structural steel, timber, etc.—all of them appear in the model. And if a building material is not included, then by by-law 17 all other materials used in the construction of a building are to be of a suitable nature and quality for the purpose for which they are used, and, where necessary, are to be adequately mixed or prepared; and by by-law 18 all materials used in the construction of a building are to be applied, used or fixed so as adequately to perform the functions for which they are used.

These model by-laws should be referred to. It will be noticed that they embody the British Standards Specifications in a marked degree. The use of the materials specified must ensure sound building, that is to say, as far as the materials are concerned.

We cannot do better than draw attention to clause 8 of the memorandum accompanying the new model: "Special attention has been paid to the desirability of avoiding restrictions which would limit unnecessarily the use of new materials or new methods of building. This matter was referred to in the last edition (August, 1935) of these by-laws, where it was stated: 'The present time is seeing great changes in building methods and materials. Local by-laws should be adjusted, as the model by-laws are adjusted, to keep pace with these, but in the process of adjustment (it may be, before it is discovered that some detailed change is needed) points of difficulty, especially difficulty in interpreting the by-laws, may arise. The British Standards Institution have issued specifications of some materials with which the model by-laws deal in general terms, and the Institute of Plumbers have issued specifications intended as a guide to sound practice in carrying out plumbing work. These specifications will help in interpreting a by-law where they are appropriate. . . . Where a material or method is so novel that there is neither a national specification nor general practice to serve as a guide, and also with regard to some materials and methods where general practice has grown up, but has for some reason been found open to question, and upon various special problems, the Building Research Station of the Department of Scientific and Industrial Research may have undertaken investigations, or may be prepared to do so, or otherwise be able to assist.'"

Further advantage has been taken of these processes of standardisation and research in the present issue. References to standard specifications have been incorporated as regards the chief materials, and scientific methods of design have been made applicable as regards such parts of the structure as the by-laws deal with. The Committee have expressed regret that, owing to limitations of time, it has not been found possible to apply these principles over a wider field. The Minister contemplates that before the date when the building by-laws now in force cease to have effect (viz., three years from the passing of the Act of 1936) a fuller revision will have been undertaken.

R. I. B. A.

Council Minutes.

Following are notes from the minutes of the Council of the R.I.B.A. for July 19:—

The Honorary Fellowship.—It was reported to the Council that H.R.H. the Duke of Gloucester and the Earl of Harewood had been pleased to accept nomination for election as Hon. Fellows.

The Architects' Ordinance, Straits Settlements.—On the recommendation of the R.I.B.A. Registration Committee it was agreed to support the action of the Institute of Architects of Malaya in asking the Straits Settlements Government to amend Chapter 64 of the Architects' Ordinance, Straits Settlements.

Mr. Alan E. Munby.—The Council were informed that, owing to ill-health, Mr. Alan E. Munby had been compelled to resign membership of the Science Standing Committee. It was resolved to write to Mr. Munby expressing the Council's thanks for his long and valuable services to the Institute and the profession.

The General Council for the National Registration of Plumbers.—Mr. Ingalton Sanders (F.) was appointed as the R.I.B.A. representative at the annual meeting of this Council, which was held at Southampton on July 28.

Suggested Census of Members.—On the recommendation of the Executive Committee it was decided not to undertake a census of members, as it was felt, in view of the previous experience in this matter, that the replies would be insufficient to be of any value.

Resignations.—The following resignations were accepted with regret: O. Gaunt (F.), H. J. B. Hoskins (A.), P. Lingwood (A.), R. H. Riley (A.), F. A. Tugwell (A.), Helen A. N. Turner (A.), H. S. Dalby (L.), R. Y. Mayell (L.), F. D. Strong (L.).

Transfer to the Retired Members' Class.—The following member was transferred to the Retired Members' Class:—

As Retired Fellow: G. F. Pennington.

Election of Students.—The following Probationers were elected as Students of the R.I.B.A.:—

Miss J. M. Ashworth (Liverpool School of Arch.), C. H. Bingham-Powell (Liverpool School of Arch.), R. P. Blow (Univ. of Cambridge), G. D. Diack (Robert Gordon's Colls., Aberdeen), F. A. R. Hill (Birmingham School of Arch.), A. J. G. McCulloch (Liverpool School of Arch.), A. W. Nicol (A.A.), W. L. Roworth (Edinburgh College of Art).

SLUM CLEARANCE AND RE-HOUSING

The most recent figures showing the position of slum clearance and rehousing are summarised below.

Clearance Areas and Orders.—During June local authorities declared areas comprising 4,747 houses representing the displacement of 16,173 persons, as compared with 5,133 houses and a displacement of 21,531 persons in May. The Orders submitted during June covered 5,209 houses, and the displacement of 19,270 persons, as compared with 4,427 houses and the displacement of 19,666 persons in May. The Orders confirmed during June covered 5,067 houses and 21,932 persons, as compared with 2,791 houses and 9,902 persons in May. The total number of houses in confirmed Orders is now 146,805, involving the displacement of 629,056 persons.

Rehousing Progress.—The latest available figures are those for May. At the end of that month there were 61,954 houses under construction, as compared with 60,326 at the end of April, and 58,908 at the end of March. 5,904 houses were completed during May as compared with 6,269 during April and 6,257 during March. The great majority of these houses are being provided for rehousing persons displaced in connection with slum clearance schemes. New houses approved during June numbered 8,135 as compared with 6,361 in May and 7,606 in April.

INQUIRY BUREAU

QUESTION.

Damp Wall: Cure Wanted.

Sir,—I have a client who has been periodically troubled with damp coming through the end wall of his house. In 1927 I painted it with genuine lead paint, two coats; then, in April, 1930, it began to show again, so I coated it with distemper and tallow. In September, 1932, it was done again with distemper and petrifying liquid, and now it is showing in places very little.

I built the house some 14 years ago, and it has a 9-in. wall, cement rough-cast as hard and tight as a rock. I shall be very grateful of any advice as to the best material to make a permanent cure. W. F.

ANSWER.

Hardwood Flooring.

[Answer to "Architect," August 6.]

Sir,—Your correspondent may advantageously use teak (such as Burmah teak), maple, or parquet flooring. A good teak has hard wearing qualities and will stand a good polish; maple is somewhat more economical but does not resist wear so well. Parquetry of either, ¼-in. or ⅜-in. thickness, will transform a common wood floor to one of perfection. However, either seasoned oak or other hardwood floorings should not be laid before a building is reasonably dry, because it leads to trouble. All joinery is affected in the same way. Sometimes beautiful hardwood floors are spoiled through the maddening rush to instal them in buildings erected within a few weeks—buildings reeking with damp.

There is no difficulty in a flooring specialist, manufacturing his own floorings, conditioning the timber within a reasonable margin to coincide with the condition of a building. This can be arranged in the process of kiln-drying by seasoning the timber to a correct moisture content. Unfortunately, there are so-called flooring specialists who have no mill or kiln ing plant, and are entirely dependent upon floorings supplied on the mass-production principle, and who instal such floorings in every type of building, irrespective of its condition. The solution of these flooring problems lies in close co-operation between architect, builder and flooring specialists.

A. J. T. E.

IN PARLIAMENT

Overcrowding: Exchequer Grants.

Colonel Nathan asked the Minister of Health if he would state how many local authorities in England and Wales had made application for Exchequer grants in aid of accommodation to be provided, otherwise than in blocks of flats on expensive sites, for the abatement of overcrowding under the terms of Section 32 of the Housing Act, 1935, and Section 107 of the Housing Act, 1936; and the number and amount of the grants approved by him under those sections up to the end of June, 1937.

Sir K. Wood said that up to the end of June applications had been received from 151 local authorities, and grants had been approved for 43 local authorities covering 2,459 houses, the grants being £5 for 1,805 houses, £4 for 446 houses, £3 for 48 houses, and £2 for 160 houses for a period of 20 years in each case. As regarded the remainder, 45 were under consideration, 17 had been withdrawn, 24 had been deferred in agreement with the local authority, and 22 had been refused.

Preservation of Amenities.

Mr. Bossom asked the Minister of Health who were the actual members of the committee investigating as to whether his department had or had not sufficient authority to safeguard historic houses and beautiful sites; and how many times since February 10, 1937, had this committee met for this specific purpose.

Sir K. Wood said that the investigation was being carried out in his department, and he was reviewing the position himself before taking the views of the Town and Country Planning Advisory Committee.

EASEMENTS OF LIGHT

MEASUREMENT OF DAYLIGHT THROUGH GLAZED APERTURES

(COMMUNICATED.)

IN *The Builder* of May 28, 1937, a simplified method of measuring daylight, by superimposing daylight factor grilles over perspective projections, plotted on a suitable angular web, was described. This method, now adopted by Mr. Swarbrick, was illustrated by a projection on a perspective chart, and the same projection on a daylight factor grille. In the letterpress it was stated that the daylight factor grille was the one used for unglazed openings. The corresponding daylight factor grille for glazed apertures is now illustrated. So far as we are aware, no daylight factor grille for measuring light through glazed apertures has hitherto been published.

The first daylight factor grilles were plotted by Franz Pleier, of Karlsbad. These represented illumination, received directly from the sky, on the horizontal plane, through unglazed openings. A short communication from Franz Pleier, regarding his methods of natural illumination, was received at the second International Congress on School Hygiene, held in London in 1907. The paper was entitled "Measurement of the Stereoangle of Skylight." In the following year Professor Burgerstein, of Vienna, sent to Dr. James Kerr, of London, photographs of daylight factor grilles, superimposed over photographs of windows, to show the method then adopted by Pleier for measuring daylight, received at desks in schools. Pleier's grille and two of the photographs referred to were illustrated in Figs. 41, 42 and 43 of the second volume of Mr. Swarbrick's book on "Easements of Light," which was published in December, 1933. In the year 1909 Franz Pleier also published illustrations of his method of measuring daylight by means of daylight factor grilles, in a periodical published in Vienna, called the "Zeitschrift des österreichischen Ingenieur-und Architekten-Vereines," Vol. 60. In order to obtain the photographs, Pleier used a pinhole camera. The value of Pleier's work in connection with the measurement of daylight was at once realised by Dr. James Kerr, then of London, who made, about 1910, a small camera with a lens of fixed focus, which he used similarly for measuring natural illumination by means of a daylight factor grille, which he devised. The grille used was constructed similarly in some respects to the one invented by Franz

SWARBRICK DAYLIGHT FACTOR GRILLE

FOR MEASUREMENT OF DIRECT LIGHT ON THE HORIZONTAL PLANE THROUGH VERTICAL GLAZED WINDOWS

One unit of grille represents one 40,000th part of the dome of the sky, viewed through a vertical window of infinite extent. The grille is divided into elements of equal illuminating value = 0·0025% x 0·6641327 = 0·003320664 Sill Ratio = 0·0016603325% Daylight Factor

FLOOR: CASE: LATITUDE:

ROOM: ORIGINAL CONDITIONS ULTIMATE CONDITIONS ASPECT:

POSITION NO.: Sill Ratio % Sill Ratio % WINDOW NO.:

Daylight Factor % Daylight Factor %

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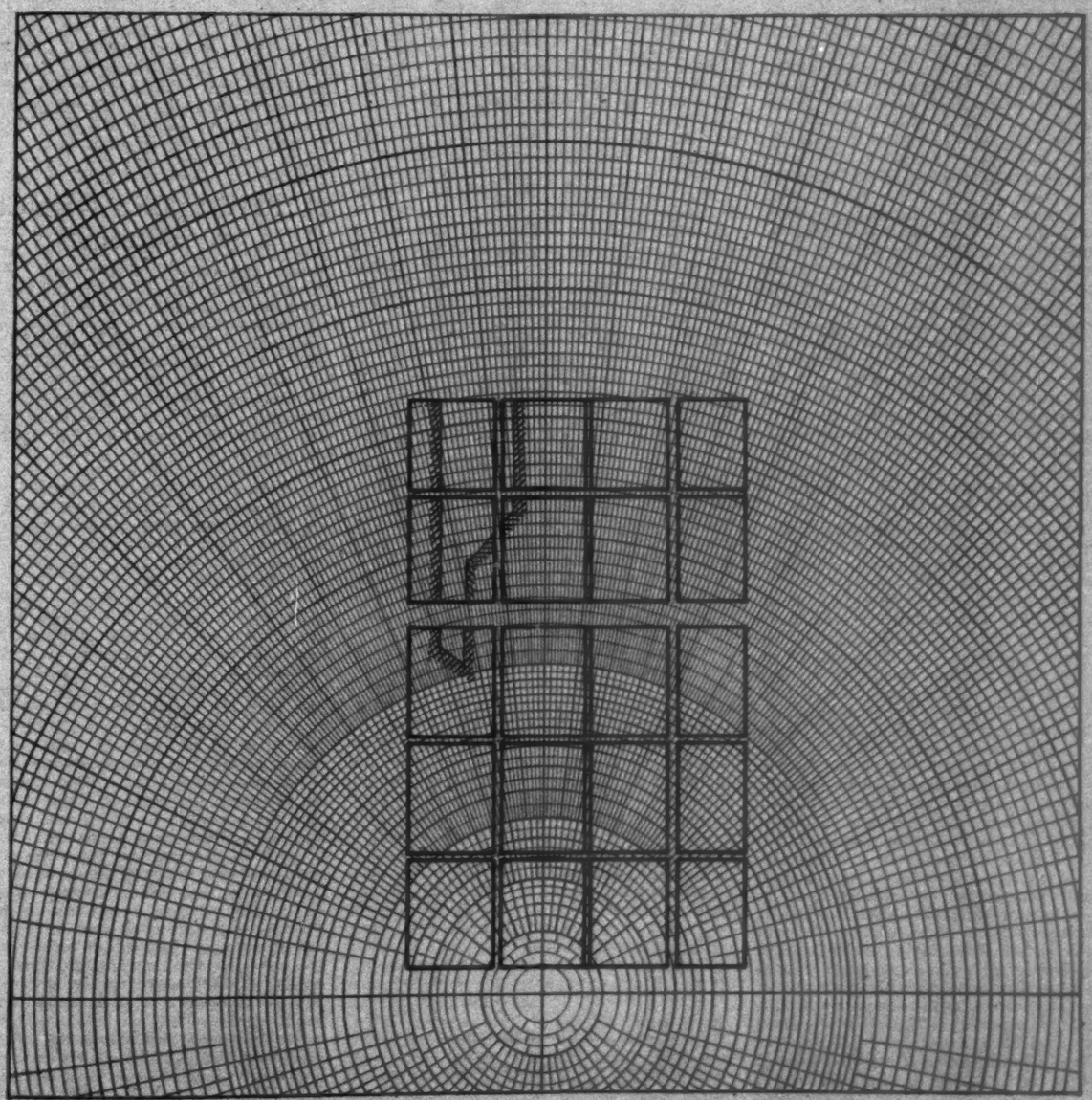
12048 UNITS OF LIGHT ON GRILLE = 0·4% SILL RATIO : 0·2% DAYLIGHT FACTOR = STANDARD OF INADEQUACY



Pleier, and resembled the one illustrated on Fig. 49 in the second volume of Mr. Swarbrick's book. By using a lens of fixed focus instead of a pinhole, it was possible for Dr. Kerr to admit enough light into his camera to be able to see on a ground-glass screen the image of the window, together with the grille. Using his camera in this way, he was able to measure immediately the amount of light received at a desk in a school by inspection of the ground-glass screen. An illustration of Dr. Kerr's instrument and the method of using it will be seen on Fig. 5, in the second volume of Mr. Swarbrick's book. On February 16, 1911, Dr. Kerr exhibited this instrument when he read a paper at a meeting of the Illuminating Engineering Society in London. He also referred to Pleier's work in his book entitled "Fundamentals of School Health," published by Allen and Unwin in 1926: In that book he wrote:—

"I have taken a hint from the pinhole camera of Pleier, who photographs the window with a pinhole, and places a gauge made by calculation over his photographic plate. Calculating out the solid angles, and reducing them, one gets a chart which, when photographed by a lens in a certain position, yields a gauge of reduced solid angles for any image thrown by the lens."

Dr. Elwin H. T. Nash, the Medical Officer of Health for Hounslow, stated that Dr. Kerr's instrument was in his possession for some years, and that subsequently it was given to the late Mr. L. Gaster, the former honorary secretary of the Illuminating Engineering Society. Various types of daylight factor grilles have been made since. Naturally, the grilles that are of most value are those that are constructed to represent the smallest units of light that can be used with convenience. The grilles with the smallest units so far published are those illustrated in the second volume of Mr. Swarbrick's book on "Easements of Light." These were calculated for him by his friend, Mr. A. C. Stevenson, M.Sc., of University College, London. As stated in the book, it is possible to construct daylight factor grilles to represent equal units of light by merely dividing any suitable calculating diagram into equal areas, and by then transferring the lines of division on to an ordinary perspective grille. Such grilles or webs are frequently called "co-ordinate grilles of angles." In order to obtain, photographically or optically, the data required in connection with the measurement of natural illumination by means of grilles, Mr. Swarbrick devised an instrument which he called a daylight factor photo-theodolite. By means of this instrument (patent applied for March 17, 1930, specification accepted September 17, 1931) it is possible to measure natural illumination, either by inspection or by obtaining photographic records similar to those illustrated in the book referred to.

Mr. Swarbrick's chart for measuring daylight through glazed apertures, like the previous one for use with unglazed openings, is to be used together with the perspective chart, first published in *The Builder* of October 24, 1930, and republished on May 28 last. The method of procedure is similar, but with some limitations, which need to be observed. This daylight factor grille, like the ones for unglazed openings, can be used with the photo-theodolite already mentioned.

The advantages of using daylight factor grilles, together with perspective charts, was explained in *The Builder* of May 28 last. In short, this method of procedure reduces the possibility of errors to a minimum, and necessitates the production of diagrams in correct perspective that anyone can readily understand and check by means of a perspective chart. Moreover, the usual methods of constructing perspective projections can be employed as an additional check. In this way distorted projections on calculating diagrams are avoided. Unfortunately, such diagrams often looked to the ordinary observer entirely wrong when they were perfectly correct; and, consequently, errors in them were not readily detected by inspection. The photo-theodolite may be used to measure the daylight either immediately by inspection of the view through a daylight factor grille, or by producing a photograph with the grille superimposed, which may be used for inspection in Court. The exposure for such views is normally about two seconds. Naturally, this is much more rapid than waiting for drawings of buildings required in order to make geometrical projections. It must not be forgotten that frequently the structures of third parties limit the amount of light received in the interiors of buildings. Consequently, the extent of the buildings of third parties has had to be determined with as much accuracy as possible, but often with exceptional difficulty.

As in the case of the daylight factor grille for unglazed openings, the grille for glazed apertures has been constructed to represent equal units of light, each one of which is 1/40,000th part of the light received, on the horizontal plane, from the entire dome of the sky when unobstructed. In making calculations, allowance has been made for the transmission losses through glass in the window openings. The treatment of the same problem for unglazed apertures was mathematically equivalent to taking a diffusing window surface of uniform brightness. The glass, however, redistributes the light incident upon it in such a manner that, in general, the window can no longer be regarded as a surface of uniform brightness. The chief factor in this redistribution is the partial reflection and refraction at the surface of the window. Lesser factors are the successive reflection and counter-reflection between the two faces of the glass, and the absorption of the light by the material of the glass. For ordinary transparent plain-surface glass whether 21-oz. glass for domestic glazing or thick plate glass, it is found, on tracing their effects mathematically, that the thickness of the glass and the absorption do not cause variation by 0.001 in the daylight factor, unless the test-point is very close to the window surface. The effect of the redistribution, which has been treated mathematically, from the theoretical investigations by Fresnel, on the problem of the reflection and the refraction of light, can best be understood by imagining a line PN, drawn from the test-point P under investigation, perpendicularly to the plane of the window surface. The brightness at any point Q on the window then depends upon the angle NPQ. So long as this angle is less than 40 deg. or so, the brightness is practically constant and equal to about 92 per cent. of the brightness of the unglazed aperture. At 60 deg. the brightness has dropped to about 83 per cent.; and, at 70 deg., to 70 per cent., thereafter dropping rapidly to about 40 per cent. at 80 deg. and to zero at 90 deg. Particulars of Fresnel's Laws will be found on page 112 of Dr. Walsh's well-known book on "Photometry." Particulars of the method adopted in making the calculations for the daylight factor grille, illustrated in the present issue, will be found in the July number of the "Journal of Scientific Instruments," which has just appeared, in an article by Mr. A. C. Stevenson, entitled "On the Construction of Direct Daylight Factor Diagrams, with Allowance for Transmission Losses through Glass." In this article Mr. Stevenson publishes radial calculating diagrams, devised by him for Mr. Swarbrick's use, in connection with the measurement of light received through glazed apertures. In order to construct the daylight factor grille for glazed apertures now illustrated, Mr. Stevenson carried out the appropriate calculations, which sub-divide the hemisphere of sky into portions of equal illuminating worth as seen through a glass window. The grille illustrated indicates the equal units of light as received through a vertical window. Light received through glass windows in inclined and horizontal planes would have to be measured through daylight factor grilles of another type. It will be noticed that the mode of division in the central portion of the grille now illustrated is different from the rest of the grille. This has been done to ensure satisfactorily shaped elements to assist in counting the units of light. Owing to the loss of light in transmission, 120.46 units of illumination on the grille are required in order to obtain illumination equal to a Sill Ratio of 0.4 per cent., which is regarded as the standard of Inadequacy. In the former grilles for unglazed apertures, 80 units of light represented 0.4 per cent. Sill Ratio. It is important to remember that the point N on the diagram (below) must always be the centre of radiation in the new daylight factor grille. The grille illustrated covers the portion of the sky up to an altitude of approximately 62 deg., between angles of azimuth of about 46 deg. on each side of PN. This is about as far as it is possible to go usefully with this type of perspective projection, and should a window boundary fall beyond this region, it could be plotted on a new diagram, on a plane perpendicular to the window, parallel to PN. Another course would be to use one of the radial calculating diagrams for glazed windows illustrated by Mr. Stevenson in the "Journal of Scientific Instruments."

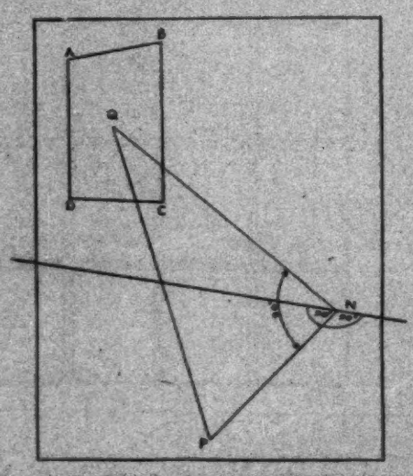


Diagram showing centre of radiation in new daylight factor grille.

RENTS OF COUNCIL HOUSES

THE Minister of Health, Sir Kingsley Wood, issued last week, a White Paper* showing the numbers and the exclusive rents of dwellings included in the Housing Revenue Accounts of Local Authorities at June 30, 1936. The return relates to 866,277 houses and flats, and shows separately the figures for London, Greater London, and the county boroughs. Other urban areas and rural areas are shown as groups in their appropriate counties.

A prefatory note to the White Paper summarises the figures and states that the variations in local authority rent levels reflect the general rent levels in the different types of area. This is in accord with the provisions of the Housing Acts, which enable local authorities to pool all their houses irrespective of the particular Act under which they were provided, and require them, in fixing the rents, to take into consideration the rents ordinarily payable by persons of the working class in the locality.

The return shows, for instance, that the percentage of houses let at exclusive rents up to 5s. a week varies from 1.1 per cent. in London to 29 per cent. in rural areas. At the other extreme, the percentage of houses let at rents above 10s. a week varies from 1.9 per cent. in rural districts to 58 per cent. in London. Except in the neighbourhood of London, more than half the houses in each of the various types of area fall within the rent range of 5s. to 8s. a week.

Rents, in fact, follow density of population. The average rural rent is 6s., the average county borough rent is 7s. 2d., and the average rent in other urban areas is 6s. 11d. In Greater London, just over a quarter of the houses are let at rents over 12s., the average rent of the remainder being 9s. 2d.

Approximately 450,000 houses are let at inclusive rents up to 10s. a week.

* "Rents of Houses and Flats owned by Local Authorities," published by the Stationery Office, price 4d.

HOUSE BUILDERS' REGISTRATION

COUNCIL'S PROGRESS REPORT.

THE National House-builders' Registration Council has just issued a progress report dealing with its work to July 31. The scheme inaugurated by this Council and comprising the registration of house-builders with a view to the independent certification of houses, was publicly launched on January 14. Applications for registration began to be received almost immediately. During February, March and April, meetings of house-builders were held in London and in many provincial centres, at which the proposals were fully explained and answers were given to the questions of those who wished to become registered.

Simultaneously, meetings were being held of the Specification Committee. It is the intention of this committee that the model specification adopted by the Council may be varied to suit local requirements. Such variations will be suggested by local committees of house-builders, assisted, where possible and desirable, by architects and others interested, co-opted for this purpose. In order to ensure that modification of the specification to suit local requirements will not result in lowering the standard prescribed by the Council, all local modifications must be considered and approved by the Specification Committee of the Registration Council.

1,068 House-builders Registered.

The first meeting of the Registration Committee was held on May 10. With a view to assisting the Committee to consider the applications, a questionnaire had been addressed to each applicant firm asking for information to show the length of time the firm has been in existence, the approximate number of houses erected speculatively between 1919 and 1937, and the building societies principally interested. The questionnaire asked also for particulars concerning other building works undertaken by the firm in recent years (e.g., schools, local authority housing, factories, public buildings, etc.), showing the class of work, the approximate value and the names of the architects concerned. The result of the committee's consideration of these applications was that 1,068 applicants were admitted to the register.

Two supervising inspectors have been appointed, with headquarters in London, and arrangements have been made for inspection in various localities by district inspectors responsible to one of the supervising inspectors. These arrangements are being amplified as the growing volume of the inspection work renders necessary. A number of certificates have already been issued in respect of completed houses, and a large number of preliminary inspections have been made with a view to the issue of further certificates on completion of houses at present under construction.

Difficulties which were created by the sincere but mistaken opposition of certain firms of house-builders are gradually being overcome. A considerable number of the most reputable house-builders in the country, including some of the largest firms, have now been registered.

Administrative Machinery in Working Order.

In the Council's report it is emphasised that, notwithstanding the prolonged nature of the preliminary work, in consequence of the magnitude and thoroughness of the preparatory arrangements, the Registration Council is only just at the beginning of its great task. It is only within the past three months that they have been in the position to receive, and to deal with, applications for certificates, and, of course, time must be allowed for the houses for which applications have been made to be built. The administrative machinery is, however, now not only in existence, but already in good working order. The number of houses anticipated to be built by firms already upon the register represents such a considerable proportion of the whole output that it may be said with all confidence that the success of the scheme is already assured.

It is perhaps too early to make any general statement at present in regard to the experiences of the inspectors. It is, however, the fact that they have not come up against the class of work commonly described as "jerry-building." It would scarcely be expected that they would do so in the case of those who readily come into the scheme with no fear as to compliance with the standards laid down. Nevertheless, in quite an appreciable percentage of the houses inspected it has been necessary to draw attention to certain matters of construction which do not entirely conform to the standard specification. Sometimes this has been due merely to the carelessness of an operative; in other instances it has arisen from oversight; in others again the discrepancy has resulted from efforts on the part of the builder to economise in materials in ways which, while not blameworthy, are hardly consistent with sound construction. For example, the Council's inspectors have encountered in some few cases the following departures from the requirements of the specification :—

(1) Zinc as a covering to small bay and oriel windows;
(2) Doors, windows and other joinery unprimed on back;
(3) Uncovered electric cable in roofs;
(4) Inadequate strengthening of roofs; and
(5) Uncased cisterns and unwrapped water pipes in roof.

It may be contended that these defects are trivial, but a little consideration will reveal that, if left uncorrected, major troubles might arise from them at a later date.

The inspectors' suggestions have invariably been well received, and the matters to which attention has been drawn have immediately been put right. Much benefit is expected to accrue from the friendly spirit of co-operation in which this work is proceeding.

TIMBER PRICES

THE PRESENT POSITION

By "TIMBER MERCHANT."

THE position as regards timber prices becomes more and more involved. Builders, having recently been offered similar goods by various firms at widely differing prices, are not unnaturally puzzled, and quite at a loss to know whether to provide for their stock requirements forthwith, or to hold off for the time being in the hope of a general fall in prices. A rapid survey of present conditions in the timber industry itself may assist them in coming to a decision.

We have seen in a previous article (*The Builder*, April 9) that Russian goods for this season have been purchased on three distinct price bases, each one higher than the one preceding it. But it by no means follows that goods bought at first schedule prices are arriving first in this country; as a matter of fact, first, second and third schedule goods are arriving quite indiscriminately. The Russian position is further complicated by a clause in the shippers' contracts which provides that freight costs exceeding 60s. per standard (normally a very high figure) shall be borne by the purchaser, with the option of cancelling the contract. Whether by accident or deliberate design, many of the Russian shipments have been chartered for at figures very much higher than this—in some cases, closely approaching 80s. per standard—so that a number of purchasers under first or second schedules do not find themselves in nearly such a favourable position as they had expected to be, whilst many who purchased at third schedule prices consider that fate has dealt very unkindly with them. The net result is that quantities of precisely similar Russian goods are at present arriving in the country which will have to be paid for at all sorts of different prices.

The obvious basis on which these goods should be resold would be one calculated to show some profit, however small, over the highest purchase price, but, unfortunately, things have not worked out like this. Many merchants, possibly because they need a quick turnover in order to meet the cost of later arrivals, are reselling the goods on their "bargain" contracts at prices which would represent a dead loss to less fortunate purchasers, but with a total disregard of the fact that replacement costs will inevitably swallow up all their "profits" and more besides.

As with the newly arriving goods, so with the spot market. Certain firms with large landed stocks are still selling at prices with which the purchasers of new season's goods cannot possibly compete. The consequence is that the latter, in order to minimise this discrepancy as much as possible, are forced to sell at prices which are not economically sound, or at best only just so. As these landed stocks become exhausted, prices will inevitably tend to increase until they attain a level which will show a reasonable return to the merchant.

Price tendencies amongst the Swedish and Finnish shippers are firm and likely to remain so. At the moment very little business is being done, the reason being that importers, in view of the continually increasing demands of the beginning of the season, were stampeded into buying far greater quantities of timber for early shipment than they would otherwise have done. Consequently, stocks already landed and on their way are likely amply to cover all requirements until late autumn. Also, in view of their recent experiences, the importers are especially anxious to show no particular eagerness to fix further contracts just yet, as the shippers' reaction to such tactics would inevitably be an attempt to raise prices still further. On the other hand, there is bound, in due course, to be a normal demand for goods to be shipped during the late autumn season, so that there would appear to be little likelihood of any substantial fall in values this year. At the same time, one should not lose sight of the possibility of unforeseen circumstances arising which might materially alter the position as it appears at present.

As things are, everything seems to indicate that builders would be well advised to renew their timber stocks now : at any rate, a careful study of the present position as outlined above should prove of some practical help in arriving at a decision.

KILN OPERATION

"METHODS OF KILN OPERATION," by Mr. R. G. Bateson, B.A. (Forest Products Research Record No. 19), just issued by the Department of Scientific and Industrial Research (H.M. Stationery Office, price 6d. net), discusses and compares the results of experiments in various methods of kiln operation. The following conclusions are reached :—

(1) The normal method appears to give the best results with beech, and probably will prove to do so with most common species.

(2) Reversing the circulation offers no advantage, except where the air circulation is unsatisfactory, either through some defect in design or through the use of a very wide timber pile.

(3) Intermittent operation, in which the kiln is shut down during the night (and at week-ends) produces satisfactory results, and is perfectly suitable where time is not the primary consideration.

(4) Methods involving oscillating temperatures or humidities are not justified, in the case of beech, at any rate, on account of complications in operation, which are not offset by more rapid drying.

Government Life Annuities.

The National Debt Office, 19, Old Jewry, E.C.2, announces that, under Section 33 of the Finance Act, 1937, the commission of 2s. 6d. per cent. heretofore charged where an annuity is purchased for cash is abolished, and the period allowed for completion of purchase is increased to a maximum of 15 days. Full particulars of the arrangements for the grant of single and joint life annuities without limit of amount, for cash or in exchange for Government Stocks, may be obtained from the Department.

NEW BUILDINGS IN LONDON

BANSTEAD.—Hospital.—The Board of Management of the Princess Elizabeth of York's Hospital for Children, Glamis-road, Whitechapel, E.1, have accepted the tender of the Demolition and Construction Co., Ltd., 74, Victoria-street, S.W.1, for the superstructure of their new hospital and convalescent home at Banstead Woods, the foundations for which were the subject of a separate contract. The architect is Mr. H. S. Goodhart-Rendel, P.R.I.B.A.; 13, Crawford-street, W.1. The total cost of the building is estimated at £200,000.

BATTERSEA. — Additions. — Are to be erected at the Battersea Flour Mills, Church-road, S.W., for Messrs. Mark Meyhew, Ltd. The contractors are Messrs. George Parker and Sons, Ltd., 124, Sumner-road, Peckham, S.E. The architects are Messrs. Gelder and Kitchen, FF.R.I.B.A., 120, Alfred Gelder-street, Hull.

BRIXTON-ROAD.—Rebuilding. — A contract has been placed with Messrs. Haymills (Contractors), Ltd., Hanger Green, W.5, for the rebuilding of the "Prince of Wales" public house, 467, Brixton-road. The architect is Mr. Joseph Hill, F.R.I.B.A., 124, Sloane-street, S.W.1.

BRUTON-STREET.—Rebuilding.—The old premises at No. 33, with a return frontage to Bruton-place, W.1, are to be demolished preparatory to the erection of a block of offices and showrooms. The plans have been prepared by Messrs. Romaine-Walker and Jenkins, A. and F.R.I.B.A., 6, Old Bond-street, W.1.

CAMDEN ROAD.—Extensions. — Consent has been given to the erection of a two-story extension to the Institute of Ray Therapy, at Nos. 152-154, abutting on Rochester-square and Camden-mews.

CATERHAM.—Showroom.—Messrs. Allen, Owen and Co., surveyors, 50, High Holborn, W.C.1, have had plans approved for a motor showroom and covered yard at the Surrey County Garage, Godstone-road, Whyteleafe, for Messrs Tillotsons' Motors, Ltd.

CATERHAM.—Alterations.—Plans have been passed for alterations to "The Whyteleafe Tavern," public-house, Godstone-road, Whyteleafe, for Messrs. Page and Overtons' Brewery, Ltd., 19, Surrey-street, Croydon.

CHADWELL HEATH.—Factory.—Mr. E. Meredith, F.R.I.B.A., Victoria House, Goodmayes-road, Goodmayes, is the architect for a new factory for the Essex Water Softeners, of High-road. The contract has been placed with Messrs. Stedman Bros., New North-road, Barkingside, at £3,105.

CHELSEA.—Dwellings.—The B.C. are to obtain a report from an architect to be selected for the development of the Onslow Dwellings clearance area by the erection of dwellings.

CHELSEA.—Alterations.—And additions, are to be made to the Duke of York's Headquarters, Kings-road, S.W.3, for the County of London Territorial Army and Air Force Association. The contractors are Messrs. L. and W. Whitehead, Ltd., 169, Clapham-road, Stockwell, S.W. The plans have been prepared by Messrs. W. G. Newton and Partners, 4, Raymond-buildings, Gray's Inn, W.C.1.

CHESHUNT.—Club.—Messrs. G. P. Walker and Son, Putney-road, Enfield Wash, have secured the contract at £1,234 for new club premises for the British Legion. Mr. E. Meredith, F.R.I.B.A., Victoria House, Goodmayes-road, Goodmayes, is the architect.

CITY-ROAD.—Factory.—Is to be erected for the United Drug Co., at about £30,000 to £40,000. Messrs. Geo. Parker and Sons, 124, Sumner-road, S.E.15, are the builders.

COVENT GARDEN. — Premises. — The buildings at the corner of Tavistock-street and Burleigh-street are now being demolished to make way for new premises for Messrs. Geo. Monro, Ltd. The architects are Messrs. Epps and Ponder, 329, High Holborn, W.C.1, and the builders are Messrs. Holland & Hannen and Cubitts, Ltd., 1, Queen Anne's-gate, S.W.1.

CROYDON. — Houses. — The C.B. has accepted the tender of Messrs. M. J. Gleeson, Ltd., of North Cheam, to erect fifty-four houses and four flats on the second section of the Crown Hill Estate, Upper Norwood, at £26,575, and of Messrs. Truett and Cox (Surrey), Ltd., of North Cheam, to erect eighty-six lettings on the Davidson-road housing site at £33,388.

CROYDON.—Hall.—The County of Surrey Territorial Army and Air Force Association has accepted the tender of Messrs. Wilson Bros., Lessingham-avenue, Tooting, S.W., at £20,428, for a drill hall and vehicle sheds at the Anti-Aircraft Barracks, Mitcham-road. The plans have been prepared by Messrs. J. Hatchard-Smith and Son, 11, Haymarket, S.W.1, whilst the quantity surveyors are Messrs. Gleeds, 106, Regent-street, W.1.

CROYDON.—Rebuilding.—Messrs. Mann, Crossman and Paulin, Ltd., Albion Brewery, Whitechapel-road, E.1, are to have the "Black Boy," Mitcham-road, rebuilt, from plans by Mr. Wm. Stewart, F.R.I.B.A., 4, Aldgate High-street, E.C.3. The builders are Messrs. R. Mansell, Ltd., 17, Grant-road, Croydon.

DAGENHAM.—Petrol Station.—Mr. E. Meredith, F.R.I.B.A., Victoria House, Goodmayes-road, Goodmayes, has prepared and had plans approved for lock-up garages and petrol filling station on north side of Dagenham-road.

DAGENHAM.—Extensions. — Messrs. R. Gunner, Ltd., 115, Lever-street, E.C.1, are to have their premises at 297 and 299, Heathway, extended. The architect is Mr. G. E. Bowden, A.R.I.B.A., 118, Cromwell-road, W.14, and a contract has been placed with Messrs. Vulcan Building Co., of Harringay.

DAGENHAM.—Houses.—The U.D.C. has approved plans for the following housing schemes:—Mr. H. G. Balch for 36 houses and 4 flats on the north and south sides of Beamway; C. James and Son for 42 houses and 12 flats, Dagenham-road and Eastbrook-avenue; S. R. Bryett for 21 houses on the east and west sides of Charlotte-road, and Richard Costain, Ltd., amended block plan for 92 houses on the north and south sides of Third-avenue.

DARTFORD. — Extensions. — Are to be made to the buildings at the electricity station, for the T.C. Messrs. W. J. Draper and Son, 48, High-street, Dartford, have secured the contract, at £6,200.

EALING. — Addition. — Messrs. Evan Thomas and Sons, 115, Boston-road, Ealing, W.7, are to erect a gymnasium at the new Cuckoo senior boys' school. Plans have been prepared by the Borough Surveyor, Mr. F. J. Forty, B.Sc.

EAST FINCHLEY. — Shops. — Messrs. Lincoln Darby and Co., Ltd., Tudor House, High-street, Eltham, S.E.9, have secured the contract for the shops and flats at East Finchley. The architect is Mr. Percy C. Boddy, F.R.I.B.A., 19, Palace-street, Westminster, S.W.1.

EWELL.—Church.—The Guildford Diocesan Board of Finance has approved a scheme for the erection of a permanent church at St. Francis, in Ruxley-lane, at £9,500. The plans have been prepared by Mr. Edward Maufe, F.R.I.B.A.; 4, Pickering-place, St. James's, S.W.1.

FINCHLEY.—Civic Centre.—The M.H. has approved the application of the B.C. for sanction to borrow £100,000 for a new civic centre on the Great North-road. The scheme provides for a block of administrative offices surmounted by a clock tower, covered garage, and bandstand, etc. The plans are by Mr. P. T. Harrison, Borough Surveyor.

GREAT WEST-ROAD.—Extensions.—Are to be made to the factory of Messrs. Simmonds Aeroaccessories, Ltd.

HACKNEY. — Baths. — The B.C. has appointed Messrs. H. John Phillips and Harry Gibberd, AA.R.I.B.A., 71, Edmund-street, Birmingham, 3, as architects for the construction of the new Central baths.

HAMPSTEAD.—Flats.—Messrs. W. H. Hayward and Co., architects, 231, Strand, W.C.2, have prepared plans for a block of flats at 56-60, Shoot-up-hill. No contracts placed.

HAMPSTEAD.—Flats.—Mr. E. G. Cole, 79, Grosvenor-street, W.1, is the architect for flats, garages and lock-up shops, and the formation of a private street upon a site in Parliament Hill, adjoining Hampstead Heath Station (L.M.S.). No contracts placed.

HAMPSTEAD.—Dwellings.—The B.C. has recommended the erection of dwellings on the Garnett-road site and the New End site by building 23 and 20 dwellings respectively. The plans have been prepared by Messrs. A. S. and J. C. S. Soutar, architects.

HAMPSTEAD.—Residence.—Messrs. Wimperis, Simpson and Guthrie, 61, South Molton-street, W.1, are the architects for a private residence, to be erected on the sites of 64 and 66, Avenue-road. The builders are Messrs. Elsworthy, Ltd., 125, Park-road, N.W.8.

HATTON-GARDEN. — Rebuilding. — Messrs C. P. Roberts and Co., 31, High Holborn, W.C.1, are the contractors for the rebuilding of the offices and showrooms at Nos. 34-35. The architects are Messrs. Lewis Soloman and Son, 21, Hart-street, W.C.1.

HAYES.—Factory.—The U.D.C. has passed plans for a factory in Printing House-lane for Messrs. Harrison and Sons, Ltd., 45, St. Martin's-lane, W.C.2.

HENDON.—Flats.—Messrs. Burnett and Eprile, FF.R.I.B.A., 107, Jermyn-street, S.W.1, have prepared plans for the development of land between Edgeworth-crescent and the L.M.S. Railway by the erection of blocks of flats, two stories in height. No contracts placed.

HIGHBURY. — Extension.—The Express Dairy Co., Ltd., Tavistock-place, W.C.1, have under consideration the rebuilding and extension of its branch bakery at Drayton Park, N.5. Plans have been prepared by the company's architect, Mr. S. N. Smallwood.

HOUNSLOW.—Additions.—The T.C. has passed plans for the United Dairies, Ltd., 34, Palace-court, W.2, for alterations and additions, at rear of 122-124, High-street.

HOUNSLOW.—Showrooms.—The Suburban Real Estates, Ltd., 56, Kingsway, W.C.2, are to have a shop with showrooms over at 126-128, High-street. The building is being erected by the Acme Building Co., of the same address.

KINGSTON.—Flats.—The Borough Surveyor is to prepare the plans for 12 two-bedroom flats on the Florence-road site, and Messrs. Babbs and Sons, 40, St. James-place, S.W.1, are to be appointed as quantity surveyors. Tenders are to be invited.

LEE GREEN.—Premises.—Messrs. Courage and Co., Ltd., Horselydown, S.E.1, are to erect new licensed premises to be known as "Dacre Arms," in Kingswood-place. Mr. F. M. Kirby, F.R.I.B.A., is the company's architect.

LEYTON.—Additions. — Messrs. Northcroft, Neighbour and Nicholson, 26, Hart-street, W.C.1, are the quantity surveyors for alterations and additions to the Ruckholt central school for the T.C.

LEYTON.—Factory.—Messrs. C. Hare and Co., 559, Lea Bridge-road, Leyton, E.10, have prepared the plans for a factory in Hayward-road. No contracts placed.

LIVERPOOL STREET.—Alterations.—The L.N.E. Railway are proposing improvements to Liverpool-street Station. The waiting rooms and other accommodation are to be modernised and enlarged, and of the east side of the station two new shops are to be erected. The plans are by the company's own engineering department.

MIDDLESEX.—Buildings.—The C.C. has placed a contract with Messrs. Walker (Tooting), Ltd., Tooting, at £6,797 18s. for accommodation for 20 nurses and two sisters at the Springfield mental hospital. Public notice is to be given of the intention of the County Council to provide the following new public elementary schools: On or near the Minet estate, Hayes, for 880 places; on or near the Frogmore Farm estate, Hayes, for 1,000; near

Cherry-lane, West Drayton, for 900; near Oakwood-crescent, Southgate, for 400; on or near the Lindsay Park estate, Kenton, for 500; at or near Bacon-lane, Kingsbury, for 1,000; on or near the Queensbury estate, Little Stanmore, for 1,000; and to enlarge the existing public elementary schools at Sudbury Council School, Wembley, by 400 and the Feltham Hill Council School by 500. The C.C. are to acquire land in Pinkwell-lane, Hayes, for an elementary school. The County Architect is to prepare working drawings for the modernisation and extension of North Middlesex County Hospital. Land with an access to Vicarage-road, Sunbury, is to be purchased for the erection of an elementary school. A sum of £15,150 is recommended in connection with the erection of temporary accommodation at West Middlesex County Hospital.

NEW MALDEN.—REBUILDING.—Of the "Railway Hotel," for Messrs. Meux's Brewery Co., Ltd., is to be carried out by Messrs. Burnand and Pickett, Ltd., Woodcote-road, Wallington. The architects are Messrs. Yates, Cook and Darbyshire, 43, Great Marlborough-street, W.1, and the quantities are by Messrs. Gardiner and Theobald, 96, Gower-street, W.C.1.

OLD FORD-ROAD.—The Poplar B.C. has approved plans by Mr. Charles V. Cable, L.R.I.B.A., F.S.I., Hillcrest, Cuffley, Herts, for an additional story at Messrs. Fitzpatrick and Son's offices, 455, Old Ford-road, E.

POPLAR.—EXTENSION.—The B.C. has sanctioned the application of Mr. R. Franey, 289, Tooley-street, Tower Bridge, S.E.1, for extensions to 197-201, Poplar High-street and 3, Montague-place.

RAYNES PARK.—CONVERSION.—The Harold Samuel Properties, Ltd., 15, Stratton-street, W.1, are proposing to convert 12 three-room flats at Langham Court into 24 one-room flats. The company's architect is Mr. Cecil Prangnell, A.R.I.B.A.

RICHMOND.—BUILDING.—The Surrey C.C. has given consent to Messrs. Couch and Coupland, Paradise-road, Richmond, to carry out development on land fronting the north side of Red Lion-street. A contract for the scheme has just been placed.

RUISLIP.—DEPOT.—The L.P.T.B., 55, Broadway, S.W.1, has acquired a site on the Central London Railway extension for a rolling-stock depot, cleaning sheds, offices and stores. The Board's chief architect is Mr. S. A. Heaps, L.R.I.B.A.

ST. JOHN'S WOOD.—RESIDENCES.—A site of 14¾ acres, bounded by Springfield-road, Abbey-road and Boundary-road, has been acquired for 87 Georgian-type residences. The builders are Messrs. Charles E. Head, Ltd., 112A, Wellesley-road, Croydon, whilst the architects are Messrs. Riches and Blythin, AA.R.I.B.A., 18, Katherine-street, Croydon. The capital cost of the enterprise is about £500,000.

ST. PANCRAS.—HOUSING.—The B.C. has placed a contract with Messrs. M. J. Gleeson, Ltd., London-road, North Cheam, at £71,489 14s. 7d., for the erection of 98 tenements on the site of 84-110, Leighton-road. The architect is Mr. A. J. Thomas, F.R.I.B.A., 31A, Sloane-street, S.W.1, and the quantity surveyors are Messrs. Waggett and Bradford, 12, Regent-street, S.W.1.

ST. PANCRAS.—BATHS.—The Baths Committee of the B.C. has recommended that the rebuilding of King-street baths on the lines indicated in the report of the Borough Engineer and Surveyor, be approved.

STOKE NEWINGTON.—STORE.—The Imperial Chemical Industries, Ltd., have had an application approved in respect of the development of 102-110, Stoke Newington Church-street, for the storage and preparation for sale of goods.

STOKE NEWINGTON.—RECONSTRUCTION.—For the proposed reconstruction of the Church-street depot the architects for the scheme, Messrs. Howes and Jackman, AA.R.I.B.A., 10, Gray's Inn-square, W.C.1, have recommended the revised tender of Messrs. J. Cannon and Son, of Shelford-place, Church-street, N.16, amounting to £4,509 16s. 2d. The work is for the B.C.

STONEBRIDGE PARK.—IMPROVEMENTS.—A sum of nearly £400,000 is to be spent by the L.M.S. Railway on the provision of a modern carriage shed and new carriage marshalling and storage sidings, on a site near the company's Stonebridge Park power station.

STRAND.—ALTERATIONS.—Are being carried out to the Adelphi Theatre by Messrs. Gee, Walker and Slater, Ltd., 3, Fitzmaurice-place, W.1, from plans by Messrs. T. P. Bennett and Son, 43, Bloomsbury-square, W.C.1.

TOTTENHAM.—SCHOOL.—The E.C. has placed a contract with Messrs. M. J. Gleeson, Ltd., London-road, North Cheam, for the proposed Rowland Hill school in Lordship lane, N.17, at £44,967. The plans have been prepared by Mr. Leslie R. Hiscock, F.R.I.B.A., Lloyds Bank-chambers, High-street, Guildford, whilst the quantities are by Messrs. E. C. Harris and Partners, 3, Bedford-square, W.C.1.

WARLINGHAM.—ADDITIONS.—No contracts have yet been placed for the alterations and additions to "The Stores," and new shops, The Green, and house, Glebe-road, Warlingham, for Messrs. Cullens Stores, Ltd. Messrs. Gale, Heath and Sneath, 15, New Bridge-street, E.C.4, are the architects.

WATFORD.—ALTERATIONS.—And additions, are to be made to the branch premises in the High-street, for the National Provincial Bank, Ltd. Plans have been prepared by the bank architect, Mr. W. F. C. Holden, F.R.I.B.A., 15, Bishopsgate, E.C.

WEST HAM.—EXTENSIONS.—Messrs. J. and R. Rooff, Ltd., 695, Barking-road, E.13, have secured the contract for the new extension to the Curwen Press premises in St. Mary's-road. Messrs. G. A. Jellicoe and Partners, 38, John-street, W.C.1, are the architects.

WEST HAM.—FACTORY.—Mr. R. Seifert, F.R.I.B.A., 114, City-road, E.C.1, is the architect for a new factory at 11-19, Denmark-street, at the corner of Frank-street, E. No contract placed.

WESTMINSTER.—ALTERATIONS.—H.M.O.W. have placed contracts with Messrs. Higgs and Hill, Ltd., 14, Godliman-street, E.C.4, and Messrs. Hall, Beddall and Co., Ltd., Pitfield-wharf, Waterloo Bridge, S.E.1, for alterations at the Houses of Parliament.

WIMBLEDON.—EXTENSIONS.—The Chairman of the Wimbledon Hospital Committee has forwarded to the T.C. particulars of the scheme for the extension of the hospital at £30,000.

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NEW CINEMAS

CHORLEY.—Messrs. J. W. Lee, Ltd., Yarrow-road Saw Mills, Chorley, have secured the contract for the erection of a cinema in Derby-street for Mr. A. Hall, 372, Lytham-road, South Shore, Blackpool. The architects are Messrs. W. and S. Bradley, 20, Brazennose-street, Manchester.

COVENTRY.—The Standard Cinema Co. is to erect a cinema and car-park at the junction of Tile Hill-lane and Fletchamstead Highway, for which a contract has been placed with Messrs. E. Harris and Sons, Ltd., Cope-street, Coventry. Accommodation will be provided for nearly 2,000 persons, the plans having been prepared by Mr. George Cave, L.R.I.B.A., Manchester Unity Buildings, Little Park-street, Coventry.

DERBY (CHADDESDEN).—Mr. L. F. Smith, L.R.I.B.A., 40A, Cornmarket, Derby, has prepared plans for a cinema to be erected in Wiltshire-road, Chaddesden, for Majestic, Ltd.

DONCASTER.—Messrs. J. H. Metcalf Bros., 62-4, Cunningham-road, Doncaster, have secured the contract for the erection of a cinema at the junction of Oswin-avenue and Balby-road for Suburban Cinemas (North Midlands), Ltd. The architect is Mr. A. J. Thraves, F.R.I.B.A., Whitefriars House, Friar-lane, Nottingham.

ELLESMERE PORT.—The directors of the "Prince of Wales" cinema, Clayton-square, Liverpool, propose the erection of a cinema opposite the "Queen's." Plans are being prepared by Messrs. Gray, Evans and Crossley, 51, North John-street, Liverpool. Accommodation is provided for 1,100 persons.

GALASHIELS.—Plans are in hand for a scheme of reconstruction and additions to the "A.B.C." cinema, the architects being Messrs. Charles McNair and Elder, 272, St. Vincent-street, Glasgow.

NORTHUMBERLAND (WIDEOPEN).—Messrs. Marshall, Tweedy and Bourn, Mervyn House, 129, Pilgrim-street, Newcastle-on-Tyne, are the architects for the erection of a cinema.

SHEFFIELD.—The Gaumont-British Picture Corporation, Ltd., Film House, Wardour-street, W.1, has decided to proceed with the rebuilding of the "Albert Hall" cinema, which was destroyed by fire recently. The company's architect is Mr. W. E. Trent, F.R.I.B.A., 123, Regent-street, W.1.

SOUTHPORT.—Associated British Cinemas, Ltd., 30, Golden-square, W.1, propose the erection of a cinema at the corner of Lord-street and Wellington-road. The company's architect is Mr. W. R. Glen, F.R.I.A.S.

PUBLIC WORKS

BIRMINGHAM.—The City Council has approved a proposal by the Airport Committee to provide a terminal building and hangar at the Elmdon Airport, at £89,250.

GREAT BRITAIN.—Among contracts advertised in this issue by local authorities as being open to tender are: Oxford T.C.—272 houses on the Rose Hill No. 2 estate and 68 houses on the Barton No. 2 estate; Nottingham T.C.—308 houses on Broxtowe-lane estate; York T.C.—13 houses and 44 flats in Dale-street and Swan-street clearance area; Teignmouth U.D.C.—50 houses (approx.) adjoining Mill-lane; King's Lynn T.C.—two schools, etc.

Among the loans sanctioned by the Minister of Health during the week ended July 31:—Finsbury Metropolitan Borough Council: £54,206 for the extension of the Ironmonger-row Baths. Great Crosby Urban District Council: £112,681 for purposes of sewerage. Kent County Council: £52,795 and £32,364 for additions to the Bexley Junior Technical School and the Maidstone Technical Institute respectively. Lowestoft Town Council: £13,000 for the purchase of Corton Road Golf Course, for the purposes of the Physical Training and Recreation Act, 1937. Middlesbrough County Borough Council: £35,582 for the erection of a new fire station.

CONTRACTS OPEN

For some contracts still open, but not included in this list, see previous issues. Those with an asterisk are advertised in this number. Certain conditions beyond those given in the following information are imposed in some cases, such as that advertisers do not bind themselves to accept the lowest or any tender, that a fair wages clause shall be observed, that no allowance will be made for tenders; and that deposits are returned on receipt of a bona-fide tender, unless stated to the contrary.

The date given is the latest date when the tender, or the names of those willing to submit tenders, may be sent in, the name and address at the end is the person from whom or place where quantities, forms of tender, etc., may be obtained.

Following is a list of abbreviations:—Borough Surveyor, B.S.; Borough Engineer, B.E.; District Surveyor, D.S.; Town Clerk, T.C.; County Engineer, C.E.; County Surveyor, C.S.; Surveyor, S.; Engineer, E.

BUILDING, PAINTING, ELECTRIC LIGHTING, HEATING, &c.

AUGUST 16.

Burnley.—Gas Fitter's Work.—In connection with Municipal College extensions, for T.C. John L. Beckett, B.E. and S. Dep. £1 1s.

Burnley.—Installation.—Of electrical wiring in connection with Municipal College extensions, for T.C. John L. Beckett, B.E. and S.

Clay Cross.—Erection.—Of 14 bungalows at Stretton-rd., for U.D.C. W. A. T. Lynam, S. Dep. £1 1s.

Coventry.—Pavilion.—At Ansty-rd., for Stoke Park secondary school, for T.C. Director of Education. Dep. £1 1s.

Ealing.—Flats.—6, at fire station, Greenford, for T.C. B.E. Dep. £2 2s.

Glasgow.—Automatic Telephone Exchange.—At Arthur-st., Busby, for H.M.O.W. Architect, H.M. Office of Works, 122, George-st., Edinburgh. Dep. £1 1s.

Lanark.—Houses.—134, at West Maddersmains and St. Catherine's Croft, for T.C. J. H. Fraser Stewart, architect, 36, High-st.

Louth (Lincs).—Erection.—Of 3 buildings to be used as sub-stations, for T.C. B.S. Dep. £1 1s.

Menstone, nr. Leeds.—Installation.—Of electric lighting in admission hospital and two convalescent villas at mental hospital, for West Riding Mental Hospitals Board. W. E. H. Burton, Architect and E., Mental Hospital, Wakefield. Dep. £2 2s.

Mentwich.—Houses.—40, on Wallfields sites, for U.D.C. E and S., 25, Barker-st. Dep. £2 2s.

New Forest.—Erection.—Of pair of houses in Woodlands-rd., Netley Marsh, for R.D.C. A. F. Read, S. Dep. £1 1s.

Newark.—Wiring.—Of 82 houses on Hawtonville housing estate, for T.C. R. E. Livesley, Borough Electrical E., 2, Market-pl.

Northwich.—Extension.—To Victoria Infirmary. Fowler & King, Winnington-st. Dep. £3 3s.

Sheffield.—Sub-stations.—In Radford-st. and Frank-pl., Attercliffe Common, for T.C. John R. Struthers, General Manager and E. Dep. £1 1s.

Smith.—Conversion.—And repair of farm buildings at Westbank Farm, for Land Settlement Association, Ltd. Secretary, Broadway-bldgs., Broadway, Westminster, S.W.1. Dep. £1 1s.

Southport.—Painting.—Bickerstaffe and Scarth Hill (Ormskirk) pumping stations and adjacent works cottages, for District Water Board. E. and Manager, 14, Portland-st., Southport. Dep. £1.

Stokesley.—Houses.—12, on Great Ayton housing site, for R.D.C. R. P. Brotton, architect, Chop Gate, Middlesbrough. Dep. £2.

Wells.—Houses.—24 (approx.), also construction of roads, for T.C. Ronald Vallis, B.Arch., A.R.I.B.A. Monmouth House, Frome. Dep. £3 3s.

Winchester.—Painting.—External of houses, for R.D.C. W. R. Cowell, S., "Ryelands," Hedge End, Southampton. Dep. £1 1s.

Winchester.—Houses.—1 pair, at Sutton Scotney, and 4 pair of bungalows at Chapel-rd., Westend, for R.D.C. W. R. Cowell, S., "Ryelands," Hedge End, Southampton.

Wrexham.—Erection.—Of 109 houses and 44 flats on Whitegate Farm estate, King's Mills-rd., for T.C. Lockwood Abercrombie & Saxon, architects, Cathedral-chambs., St. Werbergh, Chester. Dep. £2 2s.

AUGUST 17.

Aberdeen. — Alterations. — And extensions to Mekiram Commercial-rd. school, and new schoolhouse at Old Meldrum, for C.C. George Gray, architect, Inverurie.

Batley.—Installation.—Of electric light at Technical College, for E.C. J. H. Dessen, Director of Education.

Chingford.—Repairs.—At 137, Station-rd., E.4, for U.D.C. James F. Rogers, Senior Sanitary Inspector, Town Hall, E.4. (Local builders only.)

Devon.—Alterations.—Renovations and repairs at public assistance institutions and children's homes, for C.C. H. V. de Courcy Hague, F.R.I.B.A., County Architect, 97, Heavitree-rd., Exeter.

Gloucestershire.—Work.—At various institutions, for P.A.C. E. S. Phillips, County Architect, Shire Hall, Gloucester. Dep. £2 2s.

Kirkby-in-Ashfield.—Relief Office.—For Nottinghamshire C.C. County Architect. Dep. £1 1s.

New Blyth.—School.—For Aberdeen C.C. W. L. Duncan, architect, Turriff.

Newton Abbot.—Remodelling.—2 cottages in Woodland, for R.D.C. A. Gray, Sanitary Inspector.

St. Neots (Hunts).—Engineering Services.—At Three Counties Hospital, Arlesey, Beds. S. G. Wilkinson, Clerk. Dep. £2 2s.

Sligo.—Wiring.—Of 136 houses at Abbeyquarter, for T.C. McDonnell & Dixon, architects, 20, Ely-pl., Dublin. Dep. £2 2s.

Sunderland. — Erection. — Of 194 working-class dwellings at Rybope, for R.D.C. Housing Superintendent. Dep. £2 2s.

Sunderland. — Painting. — Of 512 dwellings, for R.D.C. C. Emmerson, Housing Superintendent.

West Deon.—Houses.—24, on various sites, for R.D.C. C. W. D. Ward, Housing Surveyor, Coleford. Dep. £2 2s.

Widnes.—Houses.—100, on Lowerhouse-ln. rehousing scheme, for T.C. B.E. and S. Dep. £2 2s.

AUGUST 18.

***Acton.**—Erection.—Of Town Hall and offices in Winchester-st., for T.C. B.E. Dep. £5 5s.

Aircborough.—Building.—At waterworks pumping station, Netherfield-rd., Guiseley, together with ancillary works, for U.D.C. Silcock & Simpson, consulting engineers, 10, Park-row, Leeds, 1. Dep. £3.

Anglesey.—Alterations.—To Holyhead school, for E.C. Architects, Glanaber, Llangefni. Dep. £2 2s.

Arbroath.—Outside Painting.—Of 35 housing blocks, for T.C. B.E. Dep. £1.

Aylesbury.—Cottages.—12, at three sites, for R.D.C. Raymond C. White, A.R.I.B.A., Brooke House, Market-sq. Dep. £2 2s.

Bedford. — Painting. — Externally of houses in various parishes, for R.D.C. S.

Braughing.—Houses.—4, at Little Hadham, for R.D.C. Clerk. Dep. £2 2s.

Darwen (Lancs).—Alterations.—And extensions at St. James's Church, G. A. Holden, secretary, 21, Marsh-terr. Dep. £1 1s.

East Ilsley.—Cottages.—3, at Tydd St. Mary, for R.D.C. A. E. Palmer, architect, 23a, Station-st., Spalding.

***Essex.**—Erection.—Of combined treatment centre, Abbs Cross-rd., Hornchurch, for C.C. J. Stuart, F.R.I.B.A., Chelmsford. Dep. £1 1s.

***Essex.**—Erection.—Of clinic, Oldchurch Hospital, Romford, for C.C. J. Stuart, F.R.I.B.A., Chelmsford. Dep. £1 1s.

Hull.—Painting.—Of Ferensway administrative block, for T.C. J. N. Waite, General Manager and E., Electricity Offices, Ferensway. Dep. £1.

***Kesteven.**—Houses.—1 pair, at Great Ponton, for C.C. C. B. Metcalfe, F.R.I.B.A., Sleaford.

Kingston-on-Thames.—Houses.—38, for T.C. B.S. Dep. £2 2s.

Macclesfield.—Installation.—Of electric lighting in connection with extensions to Isolation Hospital, Moss-ln., for T.C. E. Hamson, B.S. Dep. £1 1s.

Macclesfield.—Installation.—Of low-pressure hot water heating apparatus in connection with extension to Isolation Hospital, Moss-ln., for T.C. E. Hamson, B.S. Dep. £1 1s.

Murton.—Houses.—224, for North Eastern Housing Assocn., Ltd. Wm. & T. R. Milburn, architects, 17, Fawcett-st., Sunderland. Dep. £3 3s.

Peterborough.—Completion.—To shop, 37, Bridge-st., for T.C. City E. Dep. £2 2s.

Reigate.—Conversion.—Of "Castlefield," Castlefield-rd., into two houses, for T.C. B.S. Dep. £1.

Repton.—Painting.—External of 130 houses, for R.D.C. A. J. King, E. and S.

South Shields.—Flats.—18, at Mile End-rd., for North Eastern Housing Assocn., Ltd. J. Reid, B.E. and S., Town Hall. Dep. £3 3s.

Wandsworth.—Bandstand.—At King George's-pk., Garratt-ln., S.W.18, for B.C. B.E., Municipal-bldgs., S.W.18. Dep. £1 1s.

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AUGUST 19.

Barming Heath, nr. Maidstone.—Painting.—And decorating work at Kent County Mental Hospital, Philip Bracher, clerk, Star House, Maidstone.

***Brantley.**—Cottages.—2, at Croughton; 10, at Middleton Cheney; 6, at Farthinghoe; and 8, at Charlton-cum-Newbottle, for R.D.C. E. G. White, A.R.I.B.A., Brook House, Market-sq., Aylesbury. Dep. £2 2s.

Chippenham.—Conveniences.—At The Shambles, Market-place, for T.C. B.S. Dep. £1 1s.

Hildenborough (Kent).—Telephone Exchange.—For H.M.O.W. Room 65D, Third Floor, H.M. Office of Works, London, S.W.1. Dep. £1.

Leeds.—Painting.—At various recreation grounds, for T.C. J. E. Acfield, City E.

Oundle and Thrapston.—Painting.—Of houses in Easton-on-the-Hill, Collyweston, Duddington and Ringstead, for R.D.C. S.

Pontefract.—Installation.—Of baths and w.c.s to 4 houses at Beal, for R.D.C. Jas. E. White, E., Tanshelf House. Dep. £2 2s.

Southport.—Decoration.—Of interior of administration, nurses' and servants' blocks at New Hall Isolation Hospital, for T.C. B.E. Dep. £1 1s.

***Wallingford.** — Dwellings. — 12 working-class dwellings and other works at Copper's Piece, for T.C. F. G. Sainsbury, L.R.I.B.A., 154, Friar-st., Reading. Dep. £2 2s.

Waltham (Grimsby).—Telephone Exchange.—For H.M.O.W. Room 65D, Third Floor, H.M. Office of Works, London, S.W.1. Dep. £2.

Yeovil.—Houses.—2, at East Chinnock, and 3, at Yeovil Marsh, for R.D.C. Petter, Warren & Royden Cooper F./A.R.I.B.A., Old Sarum.

AUGUST 20.

***Chester.**—Steel Casements.—For Upton Mental Hospital nurses' home, for C.C. F. Anstead Browne, F.R.I.B.A.

Dundee.—Laying.—Of concrete flooring in Carolina shed, Harbour, for Harbour Trust. J. Hannay Thompson, General Manager and E., Dundee Harbour Trust, Harbour-chambs.

Heywood.—Erection.—Of wrought-iron fencing, for T.C. B.S.

Ireland.—Houses.—And outoffices, for Irish Land Commission. M. Deegan, secretary, Upper Merrion st., Dublin. Dep. £1.

Poynton (Cheshire).—Telephone Exchange.—For H.M.O.W. Room 65D, Third Floor, H.M. Office of Works, London, S.W.1. Dep. £1.

Rainhill, nr. Liverpool.—Installation.—Of heating apparatus for 2 buildings at County Mental Hospital. H. Garner, clerk, 49, Corporation-st., St. Helens. Dep. £1 1s.

St. Neots (Hunts).—Erection.—Of central boiler station at Three Counties Hospital, Arlesey, Beds. S. G. Wilkinson, clerk. Dep. £2 2s.

Southampton. — School. — Boys' senior elementary school at Cowplain, nr. Cosham, for C.C. A. L. Roberts, architect, Winchester. Dep. £1 1s.

Southgate. — Houses. — 50 houses and 24 flats on Reservoir-rd. housing estate, for T.C. B.E. and S. Dep. £2.

Stratford-on-Avon. — External Painting. — And general repairs to houses, for R.D.C. H. J. Weeks, S.

AUGUST 21.

Bacup.—School.—At Blackthorn, for T.C. H. Cropper, A.I.A.A., 2, Holmes-dr. Dep. £3 3s.

Boston.—Bungalows.—4, in Horseshoe-ln., Kirton, for R.D.C. W. R. Beardall, S. Dep. £2 2s.

Brierley Hill.—Houses.—20, together with fencing, drainage and footpaths, on Enville-rd. estate, Wall Heath, for U.D.C. R. H. J. Comber, E. and S., Albion-st. Dep. £2 2s.

Carlow.—Houses.—116, in Tullow, for Board of Health. V. Kelly, 87, Merrion-sq., Dublin. Dep. £5 5s.

Dartford.—Extensions.—To infectious diseases Hospital, Bow Arrow-ln., for Committee. Eustace J. Hobbs, Clerk to the Committee. Dep. £2 2s.

Evesham.—Painting.—Of 172 houses, for T.C. J. Abbott, B.S.

North Berwick.—Shelter.—And sun shelter at harbour, for T.C. A. Robertson, B.S. Dep. £1.

Plymouth.—Railings.—And gates, for T.C. City E.

Richmond (Yorks).—Houses.—56, adjoining Reeth-rd., for T.C. B.S.

Southwick.—Stand.—Timber-framed covered stand at recreation ground, for U.D.C. S. Dep. £1 1s.

Tredegar.—Convenience.—In Bedwellty-pk., for U.D.C. W. Edgar Jones, S. Dep. £2

AUGUST 23.

Amesbury.—Houses.—14, at Durrington, for R.D.C. R. W. H. Vallis, Phœnix-bldgs., Salisbury. Dep. £2 2s.

Glasgow.—Telephone Exchange.—At Barlock-st., for H.M.O.W. Architect, H.M. Office of Works, 122, George-st., Edinburgh. Dep. £1 1s.

Huddersfield.—Residence.—At St. Luke's Hospital, for T.C. B.E. and S.

Leeds.—Operating Theatre, etc.—And electrical and massage department at St. James's Hospital, for T.C. Kitson, Parish, Ledgard & Pyman, architects, Vicar-ln. Dep. £2 2s.

Ricklinghall.—Retaining Wall.—At churchyard, for West Suffolk C.C. E. H. Bond, C.S., Shire Hall, Bury St. Edmund's.

Runcorn.—Houses.—2, at Primrose-ln., Alvanley, for R.D.C. J. O. Hunter, Castle-pk., Frodsham, via Warrington. Dep. £1 1s.

Taunton.—Houses.—32 2-roomed dwellings at Leycroft-rd., for T.C. Ivor P. Shellard, B.E. and S. Dep. £2 2s.

Tredegar. — Houses. — 30 houses, for U.D.C. W. Edgar Jones, S. Dep. £2.

Warsop.—Disinfector, Stores, etc.—At Burns-ln., for U.D.C. Vallance & Westwick, White Hart chambs., Mansfield. Dep. £2.

***Wembley.** — Clinic. — Maternity and child welfare clinic, Stag-ln., Kingsbury, for U.D.C. Treasurer, 117a, High-rd. Dep. £2 2s.

Windsor.—Fencing.—For T.C. F. N. McRae, A.M.I.C.E., B.E. and S.

Worksop.—External Painting.—Of various houses, for R.D.C. W. Flint, S.

Worksop.—Boundary Wall.—For R.D.C. W. Flint, S.

AUGUST 24.

★Aylestone (Leicester).—Telephone Exchange.—For H.M.O.W. Room 65D, Third Floor, H.M. Office of Works, London, S.W.1. Dep. £1.

★Chelmsford.—Installation.—Of low-pressure hot water heating and electric lighting power at the Moulsham senior, junior and infants' schools, Prince's-rd., for T.C. H. W. Allardyce, architect, Clock House-chambs., Barking. Dep. £5.

Chichester.—Extensions.—To Isolation Hospital, for T.C. F. C. Nash, City Sanitary Inspector. Dep. £5 5s.

★Louth (Lincs).—Post Office Garage.—For H.M.O.W. Room 65D, Third Floor, H.M. Office of Works, London, S.W.1. Dep. £1.

Menai Bridge.—Houses.—14, at Well-st., for U.D.C. W. Owen, Architect and S.

Penistone.—Houses.—16, at Roper-la., Thurgoland, nr. Sheffield, for R.D.C. Lunn, Heppenstall & Lunn, architects, Milnsbridge, Huddersfield. Dep. £2.

Prestonpans.—Houses.—54, at Back-rd. site, for T.C. R. & A. K. Smith, surveyors, 4, Forrce-st., Edinburgh, 3.

Stone.—Houses.—44, in 4 contracts, for U.D.C. G. S. Challacombe, E. and S. Dep. £3 3s.

AUGUST 25.

Billingham.—Houses.—40, at Port Clarence, for U.D.C. Kitching & Co., 21, Albert-rd., Middlesbrough.

Dursley (Glos.).—Houses.—36, on Cam Housing-Draycott site, for R.D.C. Clerk. Dep. £1 1s.

Liverpool.—Police Training School.—And mounted police headquarters and residences, Allerton, for T.C. Land Steward and S. Dep. £2 2s.

Newcastle-upon-Tyne.—Alterations.—In conversion of block "D" at General Hospital, for T.C. City Architect, 10, Cloth-market. Dep. £1 1s.

Southwick.—Painting.—External of 129 houses and flats, for U.D.C. S. Dep. £1 1s.

AUGUST 26.

★Alford (Lincs).—Houses.—20, on Willoughby-rd. housing site, for U.D.C. C. Dep. £2 2s.

Castle Donington. — Houses. — 30 houses, roads, sewers, etc., at The Barroon, for R.D.C. Wm. A. Robertson, F.S.I., Kegworth, nr. Derby. Dep. £5 5s.

★Cornwall.—Remodelling.—And additions to West Cornwall Miners' and Women's Hospital, Redruth. E. Pope, Hon. Secretary. Dep. £2 2s.

Crediton.—Houses.—4, at Sandford, for R.D.C. Mr. Chell, "Rosemont," Union-terr.

Exeter.—Alterations.—And extensions to hostel at St. David's-hill, for G.W. Rly. Co. Divisional Engineer, Taunton Station. Dep. £2 2s.

London.—Pithead Baths.—At 3 collieries, for Miners' Welfare Committee. Secretary, Romney House, Marsham-st., S.W.1.

St. Austell.—Convenience.—At St. Columb-rd., St Columb Major, for R.D.C. E. F. L. Danbury, clerk, 1, High Cross-st. Dep. £1 1s.

★St. Faith's and Aylsham.—Erection.—Of 46 houses and 8 bungalows, for R.D.C. E. R. Larner, surveyor. Dep. £1 1s.

AUGUST 27.

Gwyrfai.—Houses.—Deiniolen, 135; Llanberis, 60; Cwmyglo, 24; Llanrug, 19; Waenfawr, 12; Capel Uchaf, Clynnog, 9; Tailon, Clynnog, 6; Nantlle, 5, for R.D.C. D. H. Roberts, L.R.I.B.A., 22, Castle-sq., Caernarvon. Dep. £2.

Manchester.—Fencing.—Wrought-iron, for T.C. H. C. Lamb, Chief E. and Manager. Dep. £1 1s.

Sunderland.—Lodge.—And gates at Borough Mental Hospital, Rybope, for T.C. Wm. & T. R. Milburn, architects, 17, Fawcett-st. Dep. £2 2s.

AUGUST 28.

Billingham.—Reslating.—And retiling of roofs of houses on Chiltons-ln. and Clarence-rd. estates, for U.D.C. Jno. Whitehead, clerk, Council Offices, Haverton Hill.

Garmarthen. — Demolition. — Of old jail, governor's house, etc., on site of new County Buildings, for C.C. Percy Thomas, architect, 10, Cathedral-rd., Cardiff. Dep. £2 2s.

Harrogate.—Clinic.—At District General Hospital, for West Riding C.C. West Riding Architect, County Hall, Wakefield.

★Heston and Isleworth.—Filtration Plant.—At public swimming baths, on the Andamans, New Heston-rd., for T.C. J. G. Carey, B.S., Hounslow. Dep. £2 2s.

★Northampton.—Installation.—Of heating and domestic hot water at Bective School, for E.C. Keightley Cobb, L.R.I.B.A., 46, Hazelwood-rd. Dep. £2 2s.

★Ross-on-Wye.—Houses.—56, on Three Crosses site, for U.D.C. F. E. C. Davoll, Gloucester-rd Dep. £2 2s.

★Stafford.—Houses.—20, on Tillington estate, and 6, in South Walls, for T.C. W. Plant, B.E. Dep. £2 2s.

★Teignmouth. — Houses. — (1) Roads and sewers, and (2) erection of 50 houses on site adjoining Mill-ln., for U.D.C. E. and S. Dep. £2

Wigston.—Houses.—44, in Manor-st., for U.D.C. G. F. Stacey, E. and S. Dep. £2 2s.

AUGUST 30.

Basford.—Wiring.—Of 36 houses in Brinsley, for T.C. J. J. Ellis, E. and S., Rock House, Stockhill-ln. Dep. £2 2s.

Bishop's Castle.—Houses.—5 pairs on Pike Meadow, for T.C. B.S.

★Cambridge.—Alterations.—And additions to Cherry Hinton Schools, for T.C. B.S. Dep. £2 2s.

Hemsworth.—Houses.—90, on Tombridge-cres. No. 2 housing estate, for U.D.C. A. Wright, clerk. Dep. £2 2s.

Kearsley.—Houses.—36, and roads, footpaths and sewers on Hulme-rd. (Stoneclough) site, for U.D.C. J. F. Moyse, S. Dep. £2.

Lancaster.—Installation.—Of electricity at baths, Kingsway, for T.C. Frederick Hill, City E. and S.

Leeds.—Houses.—Flats and garages on Halton Moor housing estate, for T.C. T.C., Room 57, Civic Hall. Dep. £2 each.

Portsmouth.—Reconstruction.—Of slipway at shipbuilding yard, Inner Camber, for T.C. City E. Dep. £2 2s.

Rodborough, nr. Newport.—School.—At High Cross, for Monmouthshire E.C. Colin L. Jones, L.R.I.B.A., County Hall, Newport, Mon. Dep. £5 5s.

Swansea.—Railings.—Wrought-iron railings and gates at Church-st. and Calvert-st. widening at St. Mary's Church. J. R. Heath, B.E. and S.

Witham.—Bungalows.—At Cock's Farm housing estate, for U.D.C. S. Dep. £1 1s.

Yorkshire.—School.—At Barby; extensions at Maltby Grammar School; extensions at North Emsall, Hazewood-ln. school; and installation of hot water apparatus and electric lighting at Thorne Moorends infants' school, for West Riding C.C. Education Officer, County Hall, Wakefield.

AUGUST 31.

★Brodbury.—School.—At Harrytown-ln., for Cheshire C.C. F. Anstead Browne, F.R.I.B.A., County Architect, The Castle, Chester. Dep. £2 2s.

Oxford.—Erection.—Of casual ward at Langford-pl., Begbroke, Oxon, for T.C. City Estates Surveyor. Dep. £2 2s.

Penrith.—Alterations.—And additions to Grammar School, B. Morton Rigg, L.R.I.B.A., architect, Corney-sq. Dep. £3 3s.

Thurrock.—Fencing.—At Whitehall-ln. allotment, Grays, for U.D.C. G. F. Andrassey, S. Dep. £1 1s.

SEPTEMBER 1.

Aldeburgh.—Construction.—Of sea defence wall, for T.C. Percival R. Bradley, B.S. Dep. £2 2s.

★Bedford.—Houses.—10, at Eaton Socon, for R.D.C. S. K. Johnson, Agricultural Officer. Dep. £2 2s.

★Bollington (nr. Macclesfield).—Telephone Exchange.—For H.M.O.W. Room 65D, Third Floor, H.M. Office of Works, London, S.W.1. Dep. £1.

Chesterton. — Houses. — 25, in parishes of Dry Drayton, Elsworth, Girton, Harlton, Landbeach, Over and Stapleford, for R.D.C. J. R. Oxenham, M.Inst.M.C.E., registered architect, The County Hall, Hobson-st., Cambridge. Dep. £2 2s.

Lambeth.—Block Dwellings.—Hemans-st. clearance area, for T.C. B.E., Town Hall, Brixton Hill, S.W.2. Dep. £3 3s.

Leeds.—Erection.—Of refuse disposal station and laundry on Quarry Hill site, for T.C. R. A. H. Livett, A.R.I.B.A. Dep. £2.

Leeds. — Flats. — 80 tenement flats and construction of roads, for T.C. T.C., Room 57, Civic Hall. Dep. £2 each.

★Oxford.—Houses.—272, on Rose-hill No. 2 estate, and 68, on Barton No. 2 estate, and 1 pair on Southpk. estate, for T.C. City E. and S. Dep. £3 3s.

Sunderland.—Flats.—44, at High-st. East, for North Eastern Housing Assoc., Ltd. J. E. Lewis, B.E. and S., Town Hall. Dep. £3 3s.

SEPTEMBER 2.

★Nottingham.—Extension.—And alterations to central telephone exchange, for H.M.O.W. Room 65D, Third Floor, H.M. Office of Works, London, S.W.1. Dep. £1.

Strood.—Houses.—28, for R.D.C. W. J. Simpson, Council Offices, Frindsbury-hill. Dep. £2 2s.

SEPTEMBER 3.

Camberwell. — Crematorium. — On cemetery land at Honor Oak, entrance from Brockley Footpath, for T.C. William Bell, B.E. and S. Dep. £2 2s.

★Northampton.—Houses.—134, on Spencer estate, for T.C. B.E. Dep. £5.

Preston.—Installation.—Of new system of electrical wiring at Institution, Fulwood, for T.C. B.S. Dep. £2 2s.

SEPTEMBER 4.

Westmorland. — School. — Adjacent to existing school Kent Terrace, for E.C. A. Knewstubb, architect, St. Andrew's-chams., Penrith. Dep. £5.

★York — Houses. — 13 houses and 44 flats in Dale-st. and Swan-st. clearance area, for T.C. City E. Dep. £2 2s.

SEPTEMBER 6.

Newcastle-upon-Tyne. — Recovering Roof. — Of shed, Newcastle Quay, for T.C. City E.

★Oldham.—Installation.—Of electric light to 42 bungalows, Boundary housing estate, for T.C. B.E. and S. Dep. £1 1s.

Preston. — Alterations. — To pavilion "C" at isolation hospital, for T.C. B.E. Dep. £1

★Watford.—Extension.—To physics building, etc., at Building Research Station, for H.M.O.W., Room 65D, Third Floor, H.M. Office of Works, London, S.W.1. Dep. £1

SEPTEMBER 9.

Bishop.—Extensions.—To Shirehall and County Offices at Shrewsbury. A. G. Chant, A.R.I.B.A., 5, Belmont. Dep. £2 2s.

★Warrington.—Grammar School.—In Grappenhall-rd., Latchford, for T.C. B.E. and S. Dep. £10 10s.

SEPTEMBER 10.

★Nottingham.—Houses.—308, on Broxtowe-ln. estate, for T.C. E. Phillips, Housing Architect, Exchange-bldgs. East. Dep. £1.

SEPTEMBER 11.

★Leeds.—Erection.—Of administrative building and hangar at Yeadon Aerodrome, nr. Leeds. J. E. Acfield, City E. Dep. £3 3s.

Wednesbury.—School.—At Crew-rd., for T.C. Arthur Booth, L.R.I.B.A., architect. Dep. £5 5s.

SEPTEMBER 14.

Gloucester. — Sports Pavilion. — In Grandy-pk., Turnere-hill, for T.C. J. E. Sharpe, E. and S.

★Yiewsley and West Drayton.—Houses.—120, at Bell Farm estate, and roads and sewers, W. T. Morgan, engineer. Dep. £2 2s. each.

SEPTEMBER 16.

★Chester.—Alterations.—And additions to Nantwich and Acton Grammar School, for T.C. F. Anstead Browne, F.R.I.B.A. Dep. £1 1s.

★Huddersfield.—Houses.—287, on Bracken Hall housing estate, for T.C. B.E. Dep. £3 3s.

★Worcester.—Erection.—Of senior mixed council school at Blackminster, in Evesham R.D.C., for C.C. A. V. Rowe, County Architect, 30, Foregate-st.

SEPTEMBER 18.

★Heston and Isleworth.—Offices.—At Douglas-rd., Hounslow, for T.C. B.S. Dep. £3 3s.

SEPTEMBER 20.

Northampton.—Erection.—Of refuse disposal plant at West Bridge depot, for T.C. B.E.

SEPTEMBER 22.

★King's Lynn.—Erection.—Of 2 schools, for T.C. Secretary. Dep. £3 3s.

SEPTEMBER 25.

★Ealing.—Erection.—Of refuse destructor, Greenford, for T.C. F. J. Forty, B.S. Dep. £5.

Hackney.—Extensions.—To electricity generating station, Millfields-rd., for T.C. B. Electrical E., 18-24, Lower Clapton-rd., E.5. Dep. £2 2s.

NO DATE.

★Leicester.—Architectural Joinery.—Barnish & Silcock, architects, 58, Rodney-st., Liverpool, 1.

MATERIALS, etc.

AUGUST 19.

Rawtenstall.—Dressed Granite Setts.—For T.C. James Johnson, B.E. and S.

AUGUST 23.

★Wembley.—Supplying.—And laying approx. 1,400 ft. lineal of 1-in. and 3-in. puddled iron water services at cemetery, Clifford-rd., for U.D.C. Treasurer, 117a, High-rd. Dep. £1 1s.

AUGUST 25.

Yorkshire.—Road Material.—For West Riding C.C. West Riding S., County Hall, Wakefield.

SEPTEMBER 6.

★Oldham.—Supply.—And delivery of ironmongery, stoves and ranges, Boundary housing estate, 42 bungalows, for T.C. B.E. and S.

ENGINEERING, IRON AND STEEL.

AUGUST 17.

Nr. Ariccey (Beds).—Engineering Services.—In admission hospital and convalescent villas at Three Counties Hospital, for Visiting Committee. J. Roger Preston & Ptnrs., consulting engineers, Dilke House, Malet-st., London, W.C.1. Dep. £2 2s.

AUGUST 18.

Lowestoft. — Reconstruction. — Of Mutford Lock swing bridge, for East Suffolk C.C. Howard Humphreys & Sons, engineers, 17, Victoria-st., Westminster, S.W.1. Dep. £5 5s.

West Suffolk.—Reconstruction.—Of Miller's bridge, Walsham-le-Willows, for C.C. E. H. Bond, C.E., Shire Hall, Bury St. Edmund's. Dep. £2 2s.

Wilts.—Reconstruction.—Of Catherine Ford Bridge No. 1 on Dinton-Fovant-rd., for C.C. H. S. Gauderton, C.E., County Offices, Trowbridge.

AUGUST 21.

Hemel Hempstead.—Water Tower.—At Gt. Gaddesden, for R.D.C. B. Ll. Stephenson, S.

Shetland.—Steel House.—To accommodate wireless plant at North Unst Lighthouse, for Commissioners of Northern Lighthouses. D. A. Stevenson, E., 84, George-st., Edinburgh. Dep. £2 2s.

West Stockwith.—Steel Work.—In connection with steel sheet piling work on River Idle, for River Trent Catchment Board. W. H. Haile, E., Derby-rd., Nottingham.

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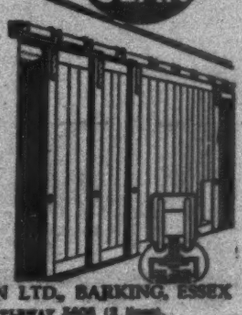

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AUGUST 28.

***Peterborough.**—Installation.—Of engineering services at male casuals' block at Public Assistance Institution, for C.C. Clerk. Dep. £2 2s.

AUGUST 31.

***Aldershot.**—Engineering Work.—At Isolation Hospital, for T.C. T.C. Dep. £2 2s.

ROAD, SEWERAGE AND WATER WORKS.

AUGUST 16.

Bexley.—Making-up.—Of streets, for U.D.C. S. Dep. £2 2s.

Bucklow.—Water Supply Works.—For R.D.C. H. V. Shaw, E. and S., 26, Station-bldgs., Altrincham.

Eton.—Roads.—And footpaths, Iver and Colnbrook housing estates, Iver, for R.D.C. E. E. Slater, Denmark House, Windsor-rd., Slough. Dep. £2 2s.

Guernsey.—Construction.—And lay-out of aerodrome landing ground at La Villiaze, for Airport Committee of States of Guernsey, Norman & Dawburn, 43, Grosvenor-pl., London, S.W.1. Dep. £2.

Monmouthshire.—Draining.—Of playing fields at Pontypool George-st. school, for E.C. Colin L. Jones, L.R.I.B.A., County Hall, Newport, Mon. Dep. £2 2s.

Nr. Sheffield.—Repair.—And surfacing of tarmacadam drives and paths at Wadsley Mental Hospital, for West Riding Mental Hospitals Board. W. E. H. Burton, Architect and E., Mental Hospital, Wakefield.

Ross and Cromarty.—Construction.—Reconstruction and surfacing of Achnasheen-Gairloch-Ullapool from Gairloch to Aultbea, for C.C. Ministry of Transport, The Castle, Inverness. Dep. £3 3s.

Southend-on-Sea. — Making-up. — Of Darenth-rd., Medway-cres., Marshall-close and Wells-av., for T.C. Robert H. Dyer, B.E. and S. Dep. £1.

Southend-on-Sea. — Reconstruction. — Of various roads, for T.C. Robert H. Dyer, B.E. and S. Dep. £2.

Southend-on-Sea.—Widening.—And reconstruction of Eastwood-rd., for T.C. Robert H. Dyer, B.E. and S. Dep. £2.

Wadsley, nr. Sheffield.—Repair.—And surfacing of tarmacadam drives and paths at Mental Hospital, for West Riding Mental Hospitals Board. W. E. H. Burton, Architect and Engineer, Mental Hospital, Wakefield.

AUGUST 17.

Halifax.—Street Works.—On Deal-st., for T.C. D. T. Lloyd Jones, B.E. Dep. £1 1s.

AUGUST 18.

Bilston.—Mains.—975 lin. yds. of 3 in. cast-iron water mains in Common-ln., Wombourne, for T.C. A. F. B. Sidwick, B.E.

Bilston.—Pipes.—Laying of about 1,400 lin. yds. of concrete pipes and tubes and construction of about 18,000 super yds. of tarmacadam roads on St. Chad's estate, for T.C. A. F. B. Sidwick, B.S.

Driffield.—Sewerage Works.—At River Head, for U.D.C. S.

Whiston.—Works.—In connection with Halewood sewerage, for R.D.C. H. B. Ward, 26, North Johnst., Liverpool, 2. Dep. £5 5s.

AUGUST 19.

Epsom and Ewell.—Construction.—Of sewer in High-st. and Kingston-rd., Ewell, for U.D.C. Norman Auty, E. and S., Town Hall, Epsom. Dep. £2 2s.

Vaynor and Penderyn.—Sewage Disposal Works.—At Pontsticill, for R.D.C. W. G. Bond, S., 134, High-st., Merthyr Tydfil. Dep. £2 2s.

AUGUST 20.

Haywood.—Surface Dressing.—Of roads, for T.C. B.S.

AUGUST 21.

Havant and Waterloo.—Sewering.—For soil water purposes of The Brow (part) and The Dale (part), Parbrook, for U.D.C. W. L. Hibberd, E. and S. Dep. £2 2s.

Manchester.—Draining.—Paving and flagging of various roads, for T.C. D.S. Dep. £1 1s.

AUGUST 23.

Bridgworth.—Carpeting.—And kerbing of roads at Woodhill Garden Village, Highley, for R.D.C. G. G. Phillips, architect, New Market-bldgs.

Manchester.—Construction.—Of brick culvert under and adjoining Hulme-rd., Newton Heath for T.C. City E. Dep. £2 2s.

Melksham.—Stoneware Pipes.—In Spa-rd., for U.D.C. R. P. Pearce, T.S. Dep. £1 1s.

Taunton.—Sewer.—From Priors Wood to Lyngford ln., for T.C. I. F. Shellard, B.E., St. Paul's House. Dep. £2 2s.

Taunton.—Roads.—And sewers at Leycroft-rd., for T.C. I. F. Shellard, B.E., St. Paul's House. Dep. £2 2s.

Wanstead and Woodford.—Reconstruction.—Of Stanley-rd., for U.D.C. Armand D. Ward, E. and S. Dep. £2 2s.

AUGUST 24.

Ilford.—Making-up.—Of Baxter-rd., Birch-grove, Breamore-rd. (part), Gordon-rd. (part) and North Cross-rd., for T.C. B.E. and S. Dep. £2 2s. each road.

Seaton Valley.—Improvement Works.—In four streets at Backworth, for U.D.C. S., Council Offices, Shiremoor, Northumberland.

Staffordshire.—Construction.—Of new road between Brinsford-ln. and "The Harrowe Inn" on the Wolverhampton-Stafford-rd., For C.C. County S., County-bldgs., Stafford.

Public Appointments.

AUGUST 16.

Barrow-in-Furness. — Architectural Assistant. — For T.C. T.C.

Barrow-in-Furness. — Architectural Assistant (Temp.).—For T.C. T.C.

London.—Structural Engineering Assistants.—For War Office. Under-Secretary of State (C.5).

Skipton.—Assistant Engineer and Surveyor.—For U.D.C. C.

***Tunbridge Wells.**—Clerk of Works.—For T.C. T.C.

Welwyn Garden City.—Clerk of Works.—For U.D.C. C.

***Westminster.**—Assistant Clerk of Works.—For City Corporation. Parker Morris, T.C.

AUGUST 18.

***Warwick.**—Three Clerks of Works.—For C.C. A. C. Bunch.

AUGUST 19.

***Brentford and Chiswick.**—Housing and Buildings' Maintenance Foreman.—For T.C. B.E. and S.

AUGUST 20.

Mitcham.—Building Inspector.—For T.C. T.C.

Stoke-on-Trent.—Junior Architectural Assistant (Temp.).—For T.C. Chief Architect.

AUGUST 21.

Cornwall.—Quantity Surveyor (Temp.).—For C.C. County Architect, Truro.

Cornwall.—Three Senior Assistants and one Junior Assistant (Temp.).—For C.C., County Architect, County Hall, Truro.

***Doncaster.**—Clerk of Works.—For R.C. Secretary.

***Durham.** — Junior Architectural Assistant (Temp.).—For C.C. Director of Agriculture.

London.—Assistant Building Superintendent.—For the Sutton Dwellings Trust. Secretary, Victoria House, Southampton-row, W.C.1.

Salop.—Architectural Assistant (Temp.).—For C.C. A. G. Chant, A.R.I.B.A., 5, Belmont, Shrewsbury.

Salop.—Senior Architectural Assistant.—For C.C. A. G. Chant, A.R.I.B.A., 5, Belmont, Shrewsbury.

Salop.—Architectural Assistant.—For C.C. A. G. Chant, A.R.I.B.A., 5, Belmont, Shrewsbury.

AUGUST 22.

***Bedford.**—Clerk of Works (Temp.).—For C.C. B.E. and S.

Nuneaton.—Property Inspector.—For T.C. T.C.

Surrey.—Construction Assistant (Temp.).—For C.C. Dudley Auckland, C., Kingston-on-Thames.

AUGUST 24.

***Dublin.**—Planning Officer.—Secretary of the Commission, 45, Upper O'Connell-st.

AUGUST 25.

***East Suffolk.**—Resident Clerk of Works.—For C.C. County Architect, Ipswich.

AUGUST 28.

***Coventry.**—Architectural Assistant (Temp.).—For T.C. City E. and S.

***Leeds.**—Assistant Clerk of Works (Temp.).—For T.C. J. Johnstone Jervis, 12, Market-bldgs., Vicar-ln.

Luton.—Architectural Assistant.—For T.C. B.E.

***Norwich.**—Architectural Assistant (Temp.).—For T.C. City Architect.

***Smethwick.**—Architectural Assistant.—For T.C. B.E. and S.

AUGUST 30.

***Exeter.**—Junior Architectural Assistant.—For T.C. John Bennett, F.R.I.B.A.

Kensington.—Architectural Assistant (Temp.).—For T.C. F. Webster, T.C.

AUGUST 31.

***Bedford.**—Clerk of Works.—For C.C. County Architectural Dept.

Cape Town. — Studio Master. — In School of Architecture of University. Secretary, Office of the High Commissioner for the Union of South Africa, South Africa House, Trafalgar-sq., London, W.C.2.

SEPTEMBER 1.

***London.**—Architect.—Assistant Under-Secretary of State, Air Raid Precautions Dept., Home Office, Horseferry House, Thorney-street, S.W.1.

SEPTEMBER 3.

***Liverpool.**—Architectural Assistant (Temp.).—For T.C. T.C.

SEPTEMBER 4.

***Caernarvon.**—Architectural Assistant.—For C.C. C.

***Durham.**—Costs and Estimating Clerk.—For C.C. F. Willey, F.R.I.B.A., 34, Old Elvet.

***Durham.**—Works Superintendent.—For C.C. F. Willey, F.R.I.B.A., 34, Old Elvet.

***Gloucestershire.**—Junior Architectural Draughtsman.—For C.C. R. S. Phillips, F.R.I.B.A.

SEPTEMBER 6.

Dulwich.—Architect and Surveyor.—Secretary and General Manager, The Old College, S.E.21.

***London.**—Visiting Teacher at Hammersmith School of Building and Arts and Crafts, Lime-st.—For L.C.C. Education Officer (T.1), County Hall, S.E.1.

SEPTEMBER 7.

Liverpool. — Studio Instructorship. — For University of Liverpool. Edward Carey, Registrar.

SEPTEMBER 14.

***Isle of Ely.**—Assistant Quantity Surveyor.—For C.C. County Architect, March.

NO DATE.

***London.** — Architectural and Engineering Assistants (Temp.).—For Air Ministry. Secretary (W.9), Adastral House, W.C.2.

***London.**—Technical Assistants to Surveyor.—Chief Superintendent of Ordnance Factories (Advt. No. 160), Royal Arsenal, Woolwich, S.E.18.

***London.**—Civil Engineering Assistants.—For Admiralty. Civil Engineer-in-Chief, S.W.1.

***London.**—Assistant Quantity Surveyors; Surveyors' Assistants and Engineer Assistants (Temp.). —For Air Ministry. Secretary (W.9), Adastral House, W.C.2.

Woolwich.—Draughtsmen (Temp.).—For War Dept. Chief Superintendent of Ordnance Factories (Advt. No. 159), Royal Arsenal, S.E.18.

CURRENT AND PROPOSED BUILDING WORK*

Abbreviations: T.C. for Town Council; U.D.C. for Urban District Council; R.D.C. for Rural District Council; E.C. for Education Committee; B.C. for Borough Council; P.C. for Parish Council; M.H. for Ministry of Health; M.T. for Ministry of Transport; C.B. for County Borough; B. of E. for Board of Education; M.W.B. for Metropolitan Water Board; B.S. for Borough Surveyor; B.E. for Borough Engineer; D.S. for District Surveyor; C. for Clerk; T.C. for Town Clerk; C.E. for County Engineer; C.S. for County Surveyor; S. for Surveyor; E. for Engineer.

Baldock.—Hertfordshire E.C. appointed Julian Leathart, F.R.I.B.A., 39, Gordon-sq., W.C.1, as architect for senior school.

Barking.—T.C. recommended erection of fencing on southern portion of Mayesbrook-pk. B.E. to invite necessary tenders.—Nursery class rooms at Westbury school, at £930, to be provided.

Batley.—T.C. approved plans for 70 houses at Bunkes-in., Heeley; rebuilding Knottingley Wells hotel, Bradford-rd. East, Hammond's Bradford Brewery Co., Ltd.

Battersea.—B.C. approved drainage plans for A. G. Baker, on behalf of Charrington & Co., Ltd., alterations and additions at "The Bolingbroke" p.h., Dashwood-rd; B.C., messroom addition, Latchmere-rd. bathe; and J. Mowlem & Co., Ltd., on behalf of London Power Co., Ltd., messroom building, Battersea Power Station, Kirtling-st.—Council sanctioned external painting works to steel chimneys and ironwork of 14, 15, 16 and 17 boilers, at £267.

Beckenham.—T.C. approved schemes for sports pavilions, Clare House school, Overbury-av., and Beckenham Cricket Club ground, Foxgrove-rd.—Plans passed: 5 blocks of flats, The Knoll estate, Bromley-rd.

Bingley.—W. G. Newton & Pitars., F.R.I.B.A., 4, Raymond-bldgs., Gray's Inn, W.C.1, prepared plans for senior school and technical institute, for West Riding E.C.

Birkenhead.—General Hospital Board propose additions at corner of Livingstone-st. Architects, E. Kirby & Son, F.R.I.B.A., 5, Cook-st., Liverpool.

Bishop Auckland.—U.D.C. to erect baths. J. Ford, S. to U.D.C., is engineer.

Brierley Hill.—R. H. J. Coomber, S., to prepare plans for branch library at High-st., Quarry Bank, with lock-up shops and public conveniences, for U.D.C.

Bristol.—School to be built by Gloucestershire C.C. in Courtney-rd., Kingswood.

Bristol.—T.C. to erect school at Doncaster-rd., Southmead, at £21,765 19s.

Bromsgrove.—Committee of Visitors of Hospital, Barnsley Hall, propose operating theatre and admission hospital.

Burnley.—Hortus Printing Co., Junction-st., propose extensions to printing works on Junction-st. Plans prepared by Aspden & Johnson, architects, 104, Manchester-rd.

Buxton.—Sir P. Worthington, P.R.I.B.A., 178, Oxford-rd., Manchester, prepared plans for alterations and additions to Devonshire Royal Hospital, at £36,000.

Chadderton.—W. Johnson & Sons, 27, Oldham-rd., Miles Platting, preparing plans for new "Straight Gate" Hotel, for Wilson's Brewery Co., Ltd., Monsall-rd. Brewery, Newton Heath, Manchester.

Chesterfield.—George Kenning & Son (Chesterfield), Ltd., acquired land in Vicar-ln. for extensions.

Cradley Heath (nr. Birmingham).—Site been sold by Birmingham Tame and Rea Drainage Board to British Oxygen Co., Ltd., for factory purposes.

Dagenham.—U.D.C. recommended L. and N.E. Rly. Co. to prepare preliminary scheme for widening and improvement of Chadwell Heath station bridge.—Plans passed: Wates, Ltd., revised lay-out plan for 37 houses in Bosworth-rd. and Frizlands-in.; S. Roberts, 5 shops, Rainham-rd.

Doncaster.—T.C. made application to M.H. for £75,253 in connection with schools.

Eccleshill.—Sir John Burnett, Tait & Lorne, F.R.I.B.A., architects, 1, Montague-pl., London, W.C.1, prepared plans for senior school, for West Riding E.C.

Fareham.—U.D.C. to erect 62 houses at Institute Field, Wrecclesham, at £20,872, work to commence as soon as M.H. approval is received.

Feltham.—U.D.C. have approved plans for 36 houses, Hampton-in., Hanworth, for Walter J. Shepherd.

Gainsborough. — Gainsborough Industrial Co-operative Society, Ltd., Bridge-st., proposes dairy in North-st. Architect, T. Tatam, 32, Castle Gate-st.

Garswood.—Lancs C.C. approved plans for secondary school at Weathercock-hill, Garswood-rd., Garswood, nr. Wigan. Plans by S. Wilkinson, F.R.I.B.A., County Architect, Preston. Cost, £50,000.

Gillingham.—Drill hall and headquarters for Kent Territorial Army and Air Force Assoc. Plans by Hoare & Wheeler, FF.R.I.B.A., 15, Portman-st., W.1.

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* See also List of Contracts Open.

***** In these lists every care is taken to ensure that information given is accurate and up to date, but it may occasionally happen that, owing to building owners taking the responsibility of commencing work before plans are finally approved by the local authorities, "proposed" works at the time of publication have been actually commenced.**

Greenwich.—B.C. approved: Block of flats, corner of Kidbrooke-way and Kidbrooke Park-rd.; 2-story building, Greenwich Saw Mills, Tunnel-av.; 1-story building at premises of United Glass Bottle Manufacturers, Ltd., Anchor and Hope-ln.; rebuilding "Prince Arthur" p.h., Greenwich-rd.—Drainage plans passed: Purvis & Purvis, 417, New Cross-rd., S.E.14, addition at Fuller Hills, Ltd.'s St. Peter's Works, Lamb-ln., Greenwich; H. H. Hollingsworth & Son, Batten's-yard, High-st., Peckham, addition at Bethell-wharf, Tunnel-av.; Bishop & Etherington Smith, 30, Duke-st., St. James', S.W.1, drainage at British Oxygen Co., Ltd.'s premises, situated 56, Marlton-st.; Stitson, White & Co., Ltd., 102, Victoria-st., S.W.1, addition at Redpath Brown, Ltd., east side of River-way, Greenwich; J. Garratt & Son, Ltd., 83, Balham-hill, S.W.12, addition at Glenister-rd. L.C.C. school; T. Rutter & Son, 266a, Sumner-rd., Peckham, addition at Old Woolwich-rd. L.C.C. school; J. E. Evans, 895, Maxey-rd., Woolwich, addition at "Prince of Orange" p.h., 189, Greenwich-rd.; Constable Hart & Co., Ltd., Broadway-bldgs., Westminster, S.W.1, drainage at Dowell's-wharf, Greenwich, S.E.10.

Halifax.—Co-operative Society propose branches at High-rd. and at Lea Mount.

Hammersmith.—B.C. appointed for engineering work at new town hall, R. T. James, M.Inst.C.E., 6, Lower Grosvenor-pl., S.W.1, and for heating, ventilation and electrical works, J. Stinton Jones, M.I.Mech.E., Victory House, Vernon-pl., W.C.1.—Plans passed: J. P. Briggs, additional story to 164-166, King-st.

Hebburn-on-Tyne.—School to cost £50,000 to be erected by Durham C.C. Plans by County Architect, 34, Old Elvet.

Hebden Bridge.—E. Berry Webber, A.R.I.B.A., 39, Golden-sq., London, W.C.1, prepared plans for senior school, for West Riding E.C.

Hendon.—T.C. entered into agreement with L. & N.E. Rly. Co. for reconstruction of bridge over Frith-ln.—B.S. prepared plans and estimates for conversion of classroom at Barnfield infants' school for use as nursery class.—Plans passed: Amended lay-out for 12 houses and 4 bungalows, 37-67, west side, Kenilworth-rd., Edgware, Taylor Woodrow Estates, Ltd.; additions to laundry, 1-5, Nant-rd., N.W.2, for Golders Green Laundry, per W. L. Dawson.

Holborn.—B.C. approved application of E. L. Newman for garage at 25-27, Farringdon-rd.

Hyde.—Percy Howard, A.R.I.B.A., 88, Mosley-st., Manchester, been appointed architect for elementary schools, for E.C.

Kettering.—T.C. approved plans for offices, Northall-st., Sturgess & Co.

Kidderminster.—T.C. approved plans for 79 houses off Chester-rd., F. J. Clamp, Ltd.—Parsons Chain Co., Ltd., Worcester-rd., Stourport, propose to acquire land on Kidderminster-Stourport-rd. for extensions.—Board of Governors of Queen Elizabeth's School, Hartlebury, propose library and biology laboratory.

Lancaster.—F. Hill, City E., prepared plans for bus station at Damside-st., for T.C., to cost £13,960.—T.C. approved plans for 100 houses, Hare Runs estate.—Plans passed: Buildings, Penny-st., Montague Burton, Ltd., Hudson-rd. Mills, Leeds; service station, showrooms and repair garage, King-st., B. Townley; 48 houses, Whernside, Fairhopes Estates, Ltd., Ingleborough-rd.; alterations and additions to marble works, Parliament-st., R. Gardner; extensions to church hall, China-st., Bishop of Lancaster; alterations and additions to mission hall, Hala-rd., B. Pickard.

Leeds.—John Smith's Tadcaster Brewery Co. propose to rebuild "Irwin Arms" Hotel, corner of Selby-rd. and Halton Moor-rd., Halton, B. Wilson, architect, 106, High-st., Tadcaster.

Lewisham.—B.C. approved: A. du T. Bottomley, for L.C.C., 53 cottages, Whitefoot-ln. estate; L. E. Tompkins & Co., addition to premises on south side, Old-rd., Lee; J. T. Walford, houses, Lee-rd., Blackheath, south of No. 18; Wratten & Godfrey, church in High-st., Lewisham, next Unitarian Church hall; Wates, Ltd., houses, Catford-pk. estate, Bromley-rd., Catford.

Liverpool.—E.C. to obtain quantities and prepare estimate of cost of Mossplate-ln. council school extension.—Extensions to be made to Abbotsford-rd. council school, at £7,581.—Plans approved of proposed new Queen Mary high school at Fazakerley; and alterations at Lawrence-rd. council school, and £3,088 for extension of boys' department, Heath-rd. Gilmour school.

Lowestoft.—T.C. approved preliminary plans for enlargement of Dell-rd. school to be submitted to B. of E. for approval.—B.S. to prepare plans and estimates for town hall on alternative sites which have been selected.—B.S. also to prepare plans for 8 2-bedroomed houses and 60 3-bedroomed houses on land at Normanston-dr. and Rotterdam-rd. to be acquired from Lowestoft Charity Board Trustees and Trustees of John Wilde's Charity.

Maidenhead.—T.C. agreed upon scheme for municipal offices and council chamber, at £40,000.

Manchester.—Small & Parkes, Ltd., Hendham Vale Works, Collyhurst, propose offices. Plans by H. S. Fairhurst & Son, F. and A.R.I.B.A., Chancery-chambs., 56, Brown-st.—Plans approved by T.C.: 32 houses, New Bank-st., Kirkmanshulme-ln. and Newton-av., Longsight, Booth & Sons, 14, Holmleigh-av., Blackley, Broughton, Atkinson & Eagle & Son, architects, 37, Brown-st.; 28 houses, Charnwood-rd., Connor-way, Ogden-gr. and Penrhos-av., Northen Etchells, W. H. Barrell, 62, Halstead-gr., Northen Etchells, Roberts, Wood & Elder architects, 26, King-st.; 67 houses, Herristone-rd. and Chudleigh-rd., Crumpsall, W. J. Davies, "Riversdale," Princes Parkway, Didsbury, Roberts, Wood & Elder architects, 26, King-st.; 48 houses, Moston-ln. and Tyndall-av., Moston, Broadhurst Park Estate, Ltd., 25, Cross-st.; 44 houses, Thorn-st. and Pine-st., Gorton, P. Annable & Sons, 75, Hyde-rd., Gorton, H. Davies, architect, 4, St. Mary's Parsonage.

Middlesbrough.—National Provincial Bank, Ltd., proposes premises in Albert-rd. Plans by Archibald & Archibald, 26, Albert-rd.

Mold.—R. H. Whitley, County Architect, to prepare quantities for central school, at £40,000, for Flintshire C.C.; also county offices at Llwynegryn Hall, Mold, to cost £120,000.

Morley.—Montague Burton, Ltd., Hudson-rd. Mills, propose building, corner of Queen-st. and Peel-st.—Morley Co-operative Society propose building in Queen-st.

Normanton.—E.C. approved plans for extensions at girls' high school, at £6,500.

Northallerton.—R.D.C. have approved plans for extension of North Riding County Hall, at £40,000.

Northumberland.—E.C. approved estimates amounting to £50,000 for school at Ashington. Architect is W. W. Tasker, County Hall, Newcastle-on-Tyne.

Nottingham.—T.C. approved completion of school at Bilborough, at £103,975.

Nunsaton.—T.C. approved: South Midland Co-operative Laundries, Ltd., laundry premises off Garratt-st., Attleborough; S. Parkes, 3 houses, types A and B, Brookdale-rd.

Pontefract.—Application for £2,750 is being made by T.C. to M.H. for senior girls' school at Carleton-pk.

Preston.—T.C. approved: A. Gilbertson, for Lancaster Roman Catholic Diocesan Trustees Register, church, Newton-rd., Ashton.

Rochdale.—Parochial Council of St. Edmund's propose Sunday school, at £3,500.

Rugby.—T.C. approved plans for town hall municipal buildings at corner of Newbold-rd., to cost £90,476. Architect, Ernest Prestwich, F.R.I.B.A., of J. C. Prestwich & Son, Bradshawgate-chambs., Leigh.—T.C. approved: Lay-out of building estate, Bloxam-gdns., Bilton-rd., W. H. Adams & Sons, 35a, Regent-st.; lay-out, building estate, St. Oswald's estate, Browning Bros., Lawford-rd.; lay-out of building estate, Rokeby estate, Major Anderson.

St. Pancras.—B.C. approved: two-story addition at 152-154, Camden-rd., next to Rochester-sq. and Camden-mews; rebuilding of 75, High-st., Camden Town; rebuilding of "Yorkshire Grey" P.H., corner of Fitzroy-st. and Maple-st.; block of flats, including garages, car park and storage accommodation, at Downing-ct., at corner of Bernard-st. and Grenville-st.

Salford.—Rev. J. T. O'Shaughnessy, P.P. St. Luke's, Swinton Park-rd., Irlam o' th' Heights, propose school. Plans by Hill, Sandy & Norris, 9, Albert-sq., Manchester.

Salop.—Governors of Shropshire Technical School for Girls, Radbrook, propose extensions to buildings.

Settle.—R.D.C. approved plans for erection by West Riding Group of Youth Hostels' Association of hostel. Cost, £2,000.

Sheffield.—Brightside and Carbrook Co-operative Society, Exchange-st., propose branch stores at shopping centre No. 2 Shirecliffe Estate.—Hadfield & Cawkwell, architects, 19, St. James-st., prepared plans for offices at 35, Collegiate-cres., for Irwin, Mitchell, Kershaw & Co., 53, Queen-st.

Sheffield.—T.C. approved: Steel warehouse, Penistone-rd., Easterbrook, Allcard & Co., Ltd.; 26 houses, Andrey-rd., J. H. Judge & Co. (Builders), Ltd.; house and schools, Penrith-road, Penrith-av. and Longley-av. West, E.C.; workshop and office additions, Livingstone-rd., Jonas & Colver (Nova), Ltd.; assembly hall and gymnasium, Collegiate-cres., E.C.; flat, offices and showrooms, Queen's-rd., J. T. Whittington.

Shrewsbury.—B.S. prepared plans for 6 lock-up shops and storerooms in Claremont-st., Bellstone, at £7,000.

Skegness.—W. H. Radford & Son, civil engineers, King-st., prepared sewerage scheme for U.D.C., at £91,200.

Stafford.—Midland Bank, Ltd., Poultry, Cheapside, London, E.C.2, propose branch at Hednesford. Plans by Whinney, Son & Austen Hall, F.R.I.B.A., architects, 37, Norfolk-st., London, W.C.2.

Staffs.—E.C. approved plans for art and handicraft rooms and gymnasium at Dudley and Staffordshire Technical College, at £35,000.

Stoke-on-Trent.—T.C. approved: Boyce Adams & Co., Brunswick-st., Hanley, bakery and warehouse; W. A. Kennedy, Wharf-st., Longton, garage, office, showroom and store; Hillside Housing & Estate Co., Ltd., Sandhurst-av., off Meir-rd., Normacot, 22 houses; J. McIntyre & Co., Ltd., Podmore-st., Burslem, warehouse; Cardigan Estates, Ltd., Stafford-st. and Cheapside, Hanley, offices and shops.

Stourbridge.—T.C. approved plans for school, Grange-ln., for Worcestershire C.C.; 122 houses on Hungary Hill site. Plans by F. Woodward, B.S.—T.C. has received sanction to borrow £40,033 for 102 houses at Hodge Hill.

Sunderland.—Extensions to be carried out to Mental Hospital. W. and T. R. Milburn, 17, Fawcett-st., are architects.—T.C. approved remodelling Prospect-rd. junior instruction centre, at £2,100. J. E. Lewis, B.E., prepared plans.—W. & T. R. Milburn are architects for hotel in Durham-rd. for J. Deuchar.

Thurrock.—U.D.C. to seek sanction to borrow £30,000 for swimming pool in Blackshots-ln. playing field.

Tunbridge Wells.—Drill hall and headquarters, St. John's-rd., for Kent Territorial Army and Air Force Association. Hoare & Wheeler, F.F.R.I.B.A., architects, 15, Portman-st., W.1, have prepared plans.

Tynemouth.—Site been obtained in Holeyar-st. for Methodist Church. Architect is W. Stockdale, 73, Howard-st., North Shields.

Uxbridge.—U.D.C. approved: Moorhall estate, Harefield, 24 houses, Park Freeholds, Ltd.; Sutton Court-rd., Hillingdon, 68 houses, Haslam & Co., Ltd.

Walsall.—T.C. approved: Church, Walstead-rd., Rev. A. Fraser; alterations, etc., to "Mount," Very Rev. Canon Yeo.—Staffordshire T.A. Association propose drill hall corner of Summerfield-rd. and Stokes-st., Bloxwich.

Wandsworth.—B.C. approved interim and ribbon development proposals submitted from L.C.C.: Upper Tooting-rd., alterations and additions to 256-258; Streatham High-rd., rebuilding Nos. 194-198; Putney Lower Common, block of flats, Sadlers-bldgs. and Stewarts Cottages; Manor-st., Clapham North, factory, Nos. 104-106; Putney-hill, Putney, erection of a block of flats, frontage of site of "Pitlochry" to that road; Wimbledon Park-rd., Southfields, alterations and extension at 256-262; Mitcham-rd., Tooting, conversion of ground floor of 234-264 into shops; Buckhold-rd. and Broomhill-rd., Southfield, petrol filling station at junction of; Balham-hill, Balham, motor showroom at No. 18; Fountain-rd., Tooting, office building at 131-133; Victoria-rd., Clapham North, block of flats at No. 5; Wandsworth High-st., extensions to 126-8; Chartwood-rd., Putney, swimming bath on sites of 6-20; Maskell-rd. and Riverside-rd., Springfield, extension to factory premises; Buckhold-rd., Southfields, factory, 2 stories in height, on a site in; Roehampton-ln., Putney, block of flats on site of "Lane House"; King's-av. and New Park-rd., Clapham Park, 2 detached and 22 semi-detached houses with garages at Leston-gdns. estate; Clapham-rd., Clapham North, flats at 396-404.—Plans passed: N. K. Humphries, addition to Anglo-American Laundry, Burmester-rd., Springfield; E. Pennison, reconstruction of offices at 187, Brixton-hill, Streatham; W. E. O'Shea, garage and swimming pool at "Fernwood," Alton-rd., Putney; extension to factory of Falk, Stadelmann & Co., Ltd., Garratt-ln.

Warrington.—T. Toole, Allen-st., propose to rebuild premises in Allen-st. Architect, W. E. Howard, Grappenhall-rd., Stockton Heath.

Willington-on-Tyne.—Marshall, Tweedy & Bourn, Mervyn House, Pilgrim-st., Newcastle, architects for assembly hall and five shops.

Wolverhampton.—T.C. approved: M. A. Boswell, Old Heath-rd., 20 houses and 4 shops; E. A. Colman, Moreton estate, Marsh-ln., 100 houses.

Worksop.—Horrent (Builders), Ltd., Riverside Works, Queen's-rd., Sheffield, propose 200 houses and shopping centre on Raines Park estate, between Carlton-rd. and Gateford-rd., lay-out plans by A. E. Hewitt, Worksop.—R.D.C. approved plans for junior school, Spittal-rd., Blyth, for Managers of Church of England Schools.

Worthing.—T.C. approved: R. J. Low, for G. C. Smith, 22 houses and garages to front 3 Beckets-gdns. and Roedean-rd.; West Sussex Coast Development Co., Ltd., for Chatsmore Estates, 23 houses and garages to front Crowborough-dr. and Compton-av.

RATES OF WAGES IN THE BUILDING TRADE

AS AND FROM 1st FEBRUARY, 1937.

[Every endeavour is made to ensure accuracy, but we cannot be responsible for errors.]

	Crafts-men.	Lab-ourers.
Aberavon	1/7	1/2½
Aberdare	1/6½	1/2
Abergavenny	1/6½	1/2
Abingdon	1/5½	1/1½
Accrington	1/7	1/2½
Aldeburgh	1/5	11
Aldershot	1/5	1/0½
Alfreton	1/7	1/2½
Alnwick	1/6½	1/2
Altrincham	1/7	1/2½
Amble	1/6½	1/2
Amersham	1/5½	1/1½
Ammanford	1/7	1/2½
Andover	1/5	1/0½
Ardingley	1/5	1/0½
Arundel	1/5	1/0½
Ascot	1/5	1/0½
Ashby-de-la-Zouch	1/5½	1/1½
Ashford (Kent)	1/4½	1/0½
Ashford (Middlesex)	1/7	1/2½
Ashington	1/6½	1/2
Ashstead	1/7	1/2½
Ashton-under-Lyne	1/7	1/2½
Aylesbury	1/5	1/0½
Aylsham	1/4	1/-
Bagshot	1/5	1/0½
Banbury	1/5	1/0½
Barnsley	1/7	1/2½
Barnstaple	1/5	1/0½
Barrow-in-Furness	1/7	1/2½
Barry	1/7	1/2½
Basingstoke	1/5	1/0½
Bath	1/6	1/1½
Batley	1/7	1/2½
Beaconsfield	1/5½	1/1½
Beccles	1/3½	11½
Bedford	1/6	1/1½
Berkhamsted	1/4½	1/0½
Berwick	1/6	1/1½
Beverley	1/7	1/2½
Bexhill-on-Sea	1/5	1/0½
Bideford	1/5	1/0½
Biggleswade	1/4½	1/0½
Billericay	1/4½	1/0½
Birchington	1/4½	1/0½
Birkenhead	‡§1/8½	¶
Birmingham	1/7	1/2½
Bishop Auckland	1/6½	1/2
Bishops Stortford	1/6½	1/1½
Blackburn	1/7	1/2½
Blackpool	1/7	1/2½
Blyth	1/7	1/2½
Bognor Regis	1/5	1/0½
Bolton	1/7	1/2½
Bournemouth	1/6	1/1½
Bracknell	1/5	1/0½
Bradford	1/7	1/2½
Bradford-on-Avon	1/4*	1/-
Braintree	1/5	1/0½
Brentwood	1/6½	1/2
Bridgwater	1/5	1/0½
Bridlington	1/6½	1/2
Brighouse	1/7	1/2½
Brighton	1/6	1/1½
Bristol	1/7	1/2½
Broadstairs	1/4½	1/0½
Bromsgrove	1/6	1/1½
Buckley	1/7	1/2½
Bungay	1/3	11½
Burnham-on-Crouch	1/3½	11½
Burnley	1/7	1/2½
Burnham	1/7	1/2½
Burton-on-Trent	1/7	1/2½
Bury	1/7	1/2½
Bury St. Edmunds	1/4½	1/0½
Buxton	1/6½	1/2
Byfleet	1/5½	1/1½
Cambridge	1/6½	1/2
Canterbury	1/4½	1/0½
Cardiff	1/7	1/2½
Carlisle	1/7	1/2½
Carnforth	1/7	1/2½
Castleford	1/7	1/2½
Caterham	1/7	1/2½
Chard	1/4*	1/-
Chatham	1/5½	1/1½
Chelmsford	1/5½	1/1½
Cheltenham	1/5½	1/1½
Chepstow	1/6	1/1½
Chertsey	1/6	1/1½
Chester	1/7	1/2½
Chesterfield	1/7	1/2½
Chichester	1/5	1/0½
Chorley	1/7	1/2½
Cirencester	1/4½*	1/0½
Clacton	1/5	1/0½
Cleveleys	1/7	1/2½
Clitheroe	1/7	1/2½
Cobham (Surrey)	1/6	1/1½
Colchester	1/6	1/1½
Colwyn Bay	1/6	1/1½
Congleton	1/6½	1/2
Coventry	1/7	1/2½
Cranbrook	1/4½	1/0½
Cranleigh	1/5	1/0½
Crawley	1/5	1/0½
Crewe	1/6	1/1½
Cromer	1/4	1/-
Crowborough	1/5	1/0½
Cuckfield	1/5	1/0½
Darlington	1/7	1/2½
Darwen	1/7	1/2½
Daventry	1/5½	1/1½
Deal	1/4½	1/0½
Denbigh	1/5½	1/1½
Derby	1/7	1/2½
Devizes	1/3½*	11½
Dewsbury	1/7	1/2½
Didcot	1/5	1/0½
Diss	1/3½	11½
Doncaster	1/7	1/2½
Dorchester	1/4½*	1/0½
Dorking	1/5½	1/1½
Dover	1/4½	1/0½
Dovercourt	1/5	1/0½
Driffield	1/5½	1/1½
Droitwich	1/6	1/1½
Dudley	1/7	1/2½
Dunstable	1/5	1/0½
Durham City	1/7	1/2½
Eastbourne	1/6	1/1½
E.Glam.(Mon.Val.)	1/6½	1/2
East Grinstead	1/5	1/0½
Edenbridge	1/5	1/0½
Ely	1/3½	11½
Epping	1/7	1/2½
Exeter	1/6†	1/1½
Exmouth	1/5	1/0½
Fakenham	1/3½	11½
Falmouth	1/5½	1/1½
Fareham	1/6	1/1½
Faversham	1/4½	1/0½
Felixstowe	1/5½	1/1½
Filey	1/5½	1/1½
Fleetwood	1/7	1/2½
Flint	1/6½	1/2
Folkestone	1/4½	1/0½
Frinton-on-Sea	1/5	1/0½
Frome	1/4*	1/-
Gainsborough	1/6	1/1½
Gateshead	1/7	1/2½
Gillingham (Kent)	1/5½	1/1½
Glossop	1/7	1/2½
Gloucester	1/6†	1/1½
Godalming	1/5	1/0½
Goole	1/7	1/2½
Gosport	1/6	1/1½
Grantham	1/5½	1/1½
Gravesend	1/6½	1/2
Great Yarmouth	1/5	1/0½
Grimsby	1/7	1/2½
Guildford	1/5	1/0½
Guilsborough	1/5½	1/1½
Halifax	1/7	1/2½
Hanley	1/7	1/2½
Harpenden	1/5½	1/1½
Harrogate	1/7	1/2½
Hartlepools	1/7	1/2½
Harwich	1/5	1/0½
Haslemere	1/5	1/0½
Hastings	1/5	1/0½
Hatfield	1/6	1/1½
Haywards Heath	1/5	1/0½
Hednesford	1/6½	1/2
Hemel Hempstead	1/6	1/1½
Henley-on-Thames	1/5	1/0½
Hereford	1/5*	1/0½
Herne Bay	1/4½	1/0½
Hertford	1/6	1/1½
Heysham	1/7	1/2½
Hitchin	1/5½	1/1½
Hoddesdon	1/6	1/1½
Holt (Norfolk)	1/3	11½
Horley	1/5	1/0½
Horsham	1/6	1/0½
Horwich	1/7	1/2½
Huddersfield	1/7	1/2½
Hull	1/7	1/2½
Hunstanton	1/3½	11½
Huntingdon	1/4	1/-
Ilfracombe	1/5	1/0½
Ingatestone	1/5	1/0½
Ipswich	1/6	1/1½
Isle of Thanet	1/4½	1/0½
Isle of Wight	1/4	1/-
Keighley	1/7	1/2½
Kenilworth	1/7	1/2½
Kettering	1/6½	1/2
Kidderminster	1/6	1/1½
King's Lynn	1/4½	1/0½
Kirkham	1/7	1/2½
Knowle	1/6½	1/2
Lancaster	1/7	1/2½
Leamington	1/6½	1/2
Leatherhead	1/6	1/1½
Leeds	1/7	1/2½
Leicester	1/7	1/2½
Leighton Buzzard	1/4	1/-
Letchworth	1/5½	1/1½
Lewes	1/5	1/0½
Lichfield	1/6	1/1½
Lincoln	1/7	1/2½
Littlehampton	1/5	1/0½
Liverpool	‡§1/8½	¶
Llandudno	1/6	1/1½
Llanelly	1/7	1/2½
London		
12 m. radius	1/8½*	1/3½
12-15 m. radius	1/8*	1/3
Long Eaton	1/7	1/2½
Longton	1/7	1/2½
Loughborough	1/7	1/2½
Louth	1/5½	1/1½
Lowestoft	1/5	1/0½
Luton	1/6½	1/2
Macclesfield	1/6½	1/2
Maidenhead	1/5½	1/1½
Maidstone	1/5½	1/1½
Malvern	1/5½	1/1½
Manchester	1/7	1/2½
Manningtree	1/3½	11½
Mansfield	1/7	1/2½
March	1/4	1/-
Margate	1/4½	1/0½
Market Harborough	1/6	1/1½
Matlock	1/5½	1/1½
Melton Constable	1/3	11½
Melton Mowbray	1/6	1/1½
Merthyr Tydfil	1/6½	1/2
Middlesbrough	1/7	1/2½
Middleton	1/7	1/2½
Middlewich	1/6	1/1½
Milford Haven	1/5	1/0½
Morecambe	1/7	1/2½
Morley	1/7	1/2½
Mundesley	1/4	1/-
Nantwich	1/6	1/1½
Nelson	1/7	1/2½
Newark-on-Trent	1/6	1/1½
Newbury	1/5	1/0½
Newcastle-on-Tyne	1/7	1/2½
Newcastle-u-Lyme	1/7	1/2½
New Forest	1/4	1/-
Newmarket	1/5	1/0½
Newport, Mon.	1/7	1/2½
Newport Pagnell	1/5	1/0½
Northampton	1/7	1/2½
Norwich	1/6½	1/2
Nottingham	1/7	1/2½
Nuneaton	1/7	1/2½
Oakham	1/5½	1/1½
Oldham	1/7	1/2½
Ormskirk	1/7	1/2½
Oxford	1/6½	1/2
Oxted	1/5½	1/1½
Paignton	1/6½	1/2
Peterborough	1/6½	1/2
Plymouth	1/7†	1/2½
Pontefract	1/7	1/2½
Pontypridd	1/6½	1/2
Portsmouth	1/6	1/1½
Port Talbot	1/7	1/2½
Preston	1/7	1/2½
Pulborough	1/5	1/0½
Ramsgate	1/4½	1/0½
Reading	1/6	1/1½
Redditch	1/6	1/1½
Redhill	1/5½	1/1½
Reigate	1/5½	1/1½
Retford	1/5½	1/1½
Rickmansworth	1/6½	1/2
Ripon	1/5½	1/1½
Rochdale	1/7	1/2½
Rochester	1/5½	1/1½
Rugby	1/7	1/2½
Saffron Walden	1/3½	11½
St. Albans	1/6½	1/2
St. Helens	1/7	1/2½
St. Neots	1/4	1/-
Salisbury City	1/4*	1/-
Salisbury Plain	1/4*	1/-
Sawbridgeworth	1/5	1/0½
Saxmundham	1/3	11½
Scarborough	1/6½	1/2
Scunthorpe	1/7	1/2½
Selby	1/7	1/2½
Sevenoaks	1/5½	1/1½
Sheerness	1/4½	1/0½
Sheffield	1/7	1/2½
Shipley	1/7	1/2½
Shoeburyness	1/6½	1/2
Shoreham	1/6	1/1½
Shrewsbury	1/6	1/1½
Sittingbourne	1/4½	1/0½
Skegness	1/6	1/1½
Sleaford	1/5½	1/1½
Slough	1/6	1/1½
Southampton	1/6	1/1½
Southend-on-Sea	1/6½	1/2
Southport	1/7	1/2½
South Shields	1/7	1/2½
Spalding	1/4½	1/0½
Stafford	1/6½	1/2
Staines	1/6	1/1½
Stamford	1/5½	1/1½
Stevenage	1/5½	1/1½
Stockport	1/7	1/2½
Stockton-on-Tees	1/7	1/2½
Stoke-on-Trent	1/7	1/2½
Stourbridge	1/6½	1/2
Stourport	1/6	1/1½
Stowmarket	1/3½	11½
Stratford-on-Avon	1/5½	1/1½
Stroud	1/5½†	1/1½
Sunderland	1/7	1/2½
Sutton Coldfield	1/7	1/2½
Swaffham	1/3	11½
Swanage	1/5*	1/0½
Swansea	1/7	1/2½
Swindon	1/5½*	1/1½
Tamworth	1/6½	1/2
Taunton	1/5	1/0½
Tenterden	1/4½	1/0½
Tewkesbury	1/5½*	1/1½
Thetford	1/3½	11½
Thorpe Bay	1/6½	1/2
Todmorden	1/7	1/2½
Tonbridge	1/5½	1/1½
Torquay	1/6½	1/2
Totnes	1/5†	1/0½
Trowbridge	1/4*	1/-
Truro	1/4	1/-
Tunbridge Wells	1/5½	1/1½
Uppingham	1/5½	1/1½
Uttoxeter	1/5½	1/1½
Wakefield	1/7	1/2½
Walsall	1/7	1/2½
Walsden	1/7	1/2½
Walton-on-Naze	1/5	1/0½
Ware	1/6	1/1½
Warminster	1/4*	1/-
Warrington	1/7	1/2½
Warwick	1/6½	1/2
Wellingborough	1/6½	1/2
Wells (Norfolk)	1/3	11½
Welwyn	1/6	1/1½
Welwyn Gar. City	1/7	1/2½
West Bromwich	1/7	1/2½
Westcliff-on-Sea	1/6½	1/2
Weston-super-Mare	1/6	1/1½
Weybridge	1/6	1/1½
Weymouth	1/4½*	1/0½
Whitby	1/6	1/1½
Whitstable	1/4½	1/0½
Widnes	1/7	1/2½
Wigan	1/7	1/2½
Wigton	1/5½	1/1½
Willington	1/6½	1/2
Wilmslow	1/7	1/2½
Winchester	1/5	1/0½
Windermere	1/5½	1/1½
Windsor	1/6	1/1½
Wisbech	1/4	1/-
Witham	1/5	1/0½
Woking	1/5½	1/1½
Wokingham	1/5	1/0½
Wolverhampton	1/7	1/2½
Woodbridge	1/4	1/-
Worcester	1/6	1/1½
Workington	1/5½	1/1½
Worksop	1/6	1/1½
Worthing	1/5	1/0½
Wrexham	1/6½	1/2
Wroxham	1/4½	1/-
Wycombe	1/5½	1/1½
Wymondham	1/3½	11½
Yeovil	1/5†	1/0½
York	1/7	1/2½

* Painters 1d. less than other Craftsmen. † Painters ½d. less than other Craftsmen. ‡ Plasterers 1/9.
¶ Tradesmen's Labourers 1/3½. Navvies and General Labourers 1/3.
§ Joiners, Plumbers, Bricklayers, Tilers and Masons receive 2/- per week or 4d. per day Tool Money.
For Building Trade wages in Scotland see page 301.

CURRENT PRICES FOR BUILDING WORK IN LONDON*

EXCAVATOR.

		s.	d.
Digging and throwing or wheeling and filling carts, and carting away to shoot—5 ft. deep	per yard cube	8	0
Add if in clay	" "	1	0
Add for every additional depth of 5 ft.	" "	0	6
Planking and strutting to trenches	per foot super	0	3
Do. to sides of excavation, including shoring	" "	1	0

CONCRETOR.

Portland cement concrete in foundations 1 to 6	per yard cube	21	0
Add if in underpinning in short lengths	" "	5	0
Add if in floors 6 in. thick	" "	2	0
Add if in beams	" "	2	6
Add if aggregate 1 : 2 : 4	" "	8	0
Add for hoisting not exceeding 10 ft. beyond the first 10 ft.	" "	1	6

BRICKLAYER.

		£	s.	d.
Reduced brickwork in lime mortar and Fletton bricks	per rod	26	0	0
Add if in stocks	"	6	0	0
Add if in Staffordshire blues	"	22	0	0
Add if in Portland cement and sand	"	1	5	0

FACINGS.

Extra for facing in English or Flemish bond for every 10s. per 1,000 over the price of the common bricks	per ft. super	0	0	1½

POINTING.

Neat flat struck or weathered joint	" "	0	0	3

ARCHES.

Extra only to the price of ordinary brickwork :—			
Fair external in half brick rings	" "	0	0	10
Axed in stocks	" "	0	0	9
Rubbed and gauged jointed in putty camber or segmental	" "	0	5	9

SUNDRIES.

Damp course in double course of slates breaking joint and bedded in Portland cement	" "	0	0	11
Setting ordinary register grates and stoves	each	1	0	0
Setting kitchener, including forming flues, etc., with all necessary fire bricks	"	4	15	0

ASPHALTER.

		s.	d.
Half-inch horizontal damp course	per yard super	4	6
Three-quarter-inch vertical damp course	" "	9	6
Three-quarter-inch on flats in two thicknesses	" "	6	0
Angle fillet	per foot run	0	3
Skirting and fillet 6 in. high	" "	1	0

MASON.

		s.	d.
York stone templates fixed	per foot cube	12	9
York stone sills fixed	" "	22	0
Bath stone and all labour fixed	" "	10	9
Beer stone and all labour fixed	" "	15	0
Portland stone fixed	" "	16	6
Grey Forest of Dean stone, fixed	per foot cube	15	0
Do. do. templates, fixed	" "	11	6
Do. do. sills, fixed	" "	20	0

SLATER.

		s.	d.
Welsh 16 in. × 8 in. 3 in. lap, including nails	per square	70	0
Do. 20 in. × 10 in. do. do.	"	71	6
Do. 24 in. × 12 in. do. do.	"	73	6

CARPENTER AND JOINER.

		s.	d.
Fir framed in plates	per foot cube	4	0
Do. joists	" "	4	6
Do. roofs, floors and partitions	" "	5	3
Do. trusses	" "	6	9

		1"	1"	1½"	2"
Deal rough close boarding	per sq.	32/-	36/-	47/-	70/-

		s.	d.
Flat centering for concrete floor, including struts or hangers	"	50	0
Do. to beams	per foot super	0	8
Centre for arches	" "	1	6
Gutter boards and bearers	" "	1	0

FLOORING.

		½"	1"	1½"	1½"
Deal-edges shot	per sq.	—	41/-	49/-	58/-
Do. tongued and grooved	"	—	46/-	55/-	67/-
Do. matchings	"	42/-	47/6	—	—
Moulded skirtings, including backings and grounds	per foot super	1/4	1/7	1/9	2/3

SASHES AND FRAMES.

		s.	d.
One-and-a-half moulded sashes or casements	per foot super	1	9
Two do. do. do.	" "	2	0
Add for fitting and fixing	" "	0	2
Deal cased frames with 1 in. inner and outer linings, 1½ in. pulley stiles tongued to linings, hard wood sills with 2 in. moulded sashes in squares, double-hung, double hung with pulleys, lines and weights, average size		3	3

DOORS.

		1½"	1½"	2"
Two-panel square framed	per foot super	2/1	2/3	2/5
Four-panel do.	" "	2/4	2/6	2/9
Two-panel moulded both sides	" "	2/6	2/9	2/11
Four panel do. do.	" "	2/9	2/11	3/3

CARPENTER AND JOINER—continued.

FRAMES.

		s.	d.
Deal wrot moulded and rebated	per foot cube	12	0

		1"	1½"	1½"
Plain deal jamb linings framed	per foot super	1/7	1/8	1/11
Deal shelves and bearers	" "	1/2	1/4	1/7
Add if cross-tongued	" "	2d.	2d.	2d.

STAIRCASES.

		1"	1½"	1½"	2"	2½"
Deal treads and risers in and including rough brackets	/	2/-	2/3	2/8	—	—
Deal strings wrot on both sides and framed		1/8	2/-	2/2	2/8	—

		s.	d.
Housing for steps and risers	each	0	11
Deal balusters, 1 in. × 1½ in.	per foot run	0	9
Mahogany handrail, average 3 in. × 3 in.	" "	5	6
Add if ramped	" "	11	0
Add if wreathed	" "	22	0

FIXING ONLY IRONMONGERY (INCLUDING SCREWS).

3 in. barrel bolts	8½d.	Rim locks	2/0
Sash fasteners	11½d.	Mortice locks	4/6
Casement fasteners	1/3	Patent spring hinges and letting into floor and making good	19/-
Casement stays	1/2		
Cupboard locks	1/5		

FOUNDER AND SMITH.

		s.	d.
Rolled steel joists	per cwt.	21	0
Plain compound girders	"	21	0
Do. stanchions	"	27	0
In roofwork	"	32	0

RAINWATER GOODS.

		3"	4"	5"	6"
Half-round plain rebated joints	ft. run	1/2	1/3	1/9	1/9
Ogee do. do.	"	1/4	1/5	2/0	2/8
Rainwater pipes with ears	"	1/6	2/0	—	—
Extra for shoes and bends	each	3/3	4/6	—	—
Do. stopped ends	"	1/3	1/7	2/0	3/0
Do. nozzles and angles	"	2/7	3/0	4/2	4/8

PLUMBER.

		s.	d.
Milled lead and laying in flashings and gutters	per cwt.	48	0
Do. do. flats	"	47	0
Extra labour and solder in coated cesspools	each	6	0
Welt joint	per foot run	0	4
Soldered seam	" "	1	6
Copper nailing	" "	0	3

		½"	¾"	1"	1½"	1½"	2"	4"
Lead overflow	per ft. run	10½	1/3	1/9	2/1	2/6	3/2	—
" service	"	1/4	1/11	2/7	3/7	4/4	5/9	—
" soil	"	—	—	—	—	—	—	7/9
Bends in lead pipe, each		—	—	—	—	2/-	2/3	5/6
Wiped solder joints	"	2/-	2/6	2/9	3/3	3/6	4/3	6/-
Lead traps and cleaning screws	"	—	—	—	9/-	10/-	13/-	—
Bib cocks and joints	"	6/6	9/6	—	—	—	—	—
Stop cocks and joints	"	11/6	14/6	18/6	—	—	—	—

PLASTERER.

		s.	d.
Render, float and set in lime and hair	per yard sup.	2	0
Do. Do. Sirapite	" "	2	3
Do. Do. Keene's	" "	3	0
Add saw lathing	" "	1	4
Add metal lathing	" "	2	4
(Not including hangers or runners, etc., for suspended ceilings.)			
Portland cement screed	" "	1	7
Do. plain face	" "	2	3
Mouldings in plaster	per 1 girth	0	1½
One-and-a-half granolithic pavings	per yard sup.	4	6

GLAZIER.

		s.	d.
24-oz. sheet plain	per foot sup.	0	7
26-oz. Do.	" "	0	8
Obscured sheet	" "	0	10
¼-in. rolled plate	" "	0	9½
¼-in. rough rolled or cast plate	" "	0	10½
¼-in. wired cast plate	" "	1	2

PAINTER.

		s.	d.
Preparing and distempering, 2 coats	per yard sup.	0	7½
Knotting and priming	" "	0	7
Plain painting, 1 coat	" "	0	9
Do. 2 coats	" "	1	2
Do. 3 coats	" "	1	9
Do. 4 coats	" "	2	4
Graining	" "	2	3
Varnishing twice	" "	1	9
Sizing	" "	0	3
Flatting	" "	0	7
Enamel	" "	1	1
Wax polishing	per foot sup.	0	6
French polishing	" "	1	2
Preparing for and hanging paper	per piece 2/- to 4/-		

*These prices apply to new buildings only. They cover superintendence by foremen and carry a profit of 10%, on the prime cost without establishment charges. A percentage of 1½ should be added for Employers' Liability and National Health and Unemployment Act, and from 1s. 9d. per £100 for Fire Insurance. The whole of the information given on this page is copyright.

PRICES CURRENT OF MATERIALS*

Owing to the exceptional circumstances which prevail at the present time prices of materials should be confirmed by inquiry.

CHANGES OF THE WEEK: White lead and white lead paint drops by £1 per ton. Lead in other forms increase by 15s., and old lead by 30s.

BRICKS, &c.

Delivered to site, City and Central Area

Full Lorry Loads:

	£ s. d.
Best Stocks	4 15 0
Second Ra d Stocks	4 8 0

Per 1,000. Delivered at London Goods Stations.

	£ s. d.		£ s. d.
"Fhorpres"	*3 6 3	Flettons, B'ft'n'se	3 1 0
Flettons at King's Cross	*3 6 3	Best blue Pressed Staffs	3 6 6
Do. grooved for Flashet	*3 6 3	Do. Bullnose	3 16 6
White Midhurst Facing London site)	4 0 0	Blue Wire Cuts	7 4 0
"Fhorpres" Whites (King's Cross)	3 11 3		
"Fhorpres" Rustic Facings (King's Cross)	*3 6 3		

Best Stourbridge Fire Brick :—

2½ in.	7 15 0	3 in.	8 15 0

*Delivered to site in W.C. district, 4/3 extra per 1,000.

GLAZED BRICKS—

Best White		D'ble Str'tch'rs	31 10 0
Ivory and Salt Glazed		D'ble Headers	28 10 0
Stretcher	22 0 0	One side and two Ends	32 10 0
Headers	32 10 0	Two sides and one End	33 10 0
Quoins, Bullnose and 4½ in. Splays and Flats	28 10 0	Squints	30 0 0

Second Quality, £1 per 1,000 less than best. Cream and buff, £2 extra over white. Other colours. Hard Glaze, £5 10s. extra over white.

PARTITION SLABS.

Delivered London Area.

CLINKER CONCRETE.

2" per yd. sup.	1 6	3" per yd. sup.	2 0
2½ " "	1 8	4" "	2 4

CRANHAM TERRA COTTA.

2" per yd. sup.	2 0	3" per yd. sup.	3 3
2½ " "	3 6	4" "	4 7

HEMPSTEAD—KEYED TWO SIDES.

12" x 9" x 2"	2 6	12" x 9" x 3"	3 0
12" x 9" x 2½"	2 9	12" x 9" x 4"	3 9

Per yard super d/d. Free on site, London.

	s. d.	
Thames Ballast	7 3 per yd.	delivered 2 miles radius Paddington.
Pit Ballast	6 3 " "	
Pit Sand	7 9 " "	
Washed Sand	8 3 " "	
¾ in. Shingle	7 3 " "	
¾ in. Broken Brick	11 3 " "	
Tan Breeze	8 3 " "	

CEMENT.

Best British Portland Cement, Standard Specification, delivered London Area in jute sacks (11 to ton), or paper bags (20 to ton) free (non-returnable) :—

	£ s. d.
4 ton loads and upwards site Per ton	1 19 0
1 ton to 4 tons site	2 1 0
Alongside Vauxhall in 60-ton lots	1 15 0
"Ferrocrete" Rapid Hardening Cement :—	
4 ton loads and upwards site	2 5 0
1 ton to 4 tons site	2 7 0
Alongside Vauxhall in 60-ton lots	2 1 0

NOTE.—Jute sacks are charged 1s. 6d. each and credited 1s. 6d. nett, if returned in good condition within three months, carriage paid.

Water Repellent "Blue Circle" Cement, 30/- per ton extra on ordinary "Blue Circle" Portland Cement prices.

"Cekorete" Nos. 1 and 2 Coloured Rapid Hardening Portland Cement in 1-cwt. paper bags free (non-returnable) in 1-ton lots and upwards site 3 6 0

"Snowcrete" White Portland Cement in 1-cwt. paper bags free (non-returnable)

1 ton and upwards site	0 0 0
Super Cement (Waterproof) paper bags free	2 9 0
Roman Cement	6 15 0
Parian Cement	6 0 0
Keene's Cement, White	6 0 0
" Pink	5 12 6

Cementone Colours for cement according to tints per cwt. from £2 16 0.

PLASTER.

	£ s. d.		£ s. d.
Coarse, Pink	3 2 0	Straphs, Coarse	3 10 0
" White	3 10 0	" Finish	3 16 0
Pioneer	3 10 0		
Super Carbo	3 7 6	4-ton loads & over London Area, paper bags free.	
Carbo Setting	3 13 6		
Best Ground Blue Lias Lime	1 17 6	Grey Stone Lime	2 2 0
Granite Chippings	1 12 0	Chalk Lime	2 2 0
		Hair per cwt.	2 2 0

NOTE.—Sacks are charged 1s. 9d. each, and credited 1s. 6d., if returned in good condition within three months, carr. paid.

Stourbridge Fireclay in sacks 37s. 6d. per ton at rly. depot.

STONE.

BATH STONE.—Delivered in railway trucks at Westbourne Park, Paddington, G.W.R., or South Lambeth, G.W.R., per ft. cube .. s. d. 2 10

BASE STONE—RANDOM BLOCK—

Free on rail at Seaton Station, per ft. cube	2 3
Delivered free on rail Nine Elms, S.R. per ft. cube	3 1½

Selected approximate size one way, 1d. per cubic ft. extra, selected approximately three sizes or for special work, 3d. per cubic ft. extra.

PORTLAND STONE—

Brown Whitbed, in random blocks of 20 ft. average, delivered in railway trucks at Nine Elms, S. Rly., South Lambeth Station, G.W.R., and Westbourne Park, Paddington, G.W.R., per ft. cube 4 6½

Do. do. delivered on road waggons as above stations, per ft. cube 4 5½

White banded, 2d. per ft. cube extra.

NOTE.—1d. per ft. cube extra for every ft. over 20 ft. average, and ½d. beyond 30 ft.

HOPTON-WOOD STONE—

	s. d.
F.O.R. Quarries, Wirksworth, Derbyshire, Random blocks from 10ft. and over P.ft.cb.	16 0
Sawn two sides	22 6

HOPTON-WOOD STONE—

Sawn three or four sides	27 9

YORK STONE, BLUE.—*Robin Hood Quality.*

Delivered at any Goods Station, London.

6 in. sawn two sides landings to sizes (under 20 ft. super) Per ft. super	5 0
6 in. rubbed two sides, ditto "	5 6
3 in. sawn two sides slabs (random sizes) "	2 3½
2 in. to 2½ in. sawn one side slabs (random sizes) "	1 6½
1½ in. to 2 in., ditto "	1 3½

HARD YORK—

Delivered at any Goods Station, London.

Scappled random blocks Per ft. cube	6 3
6 in. sawn two sides landings to sizes under 40 ft. super) Per ft. super	5 1½
6 in. rubbed two sides, ditto "	5 1½
4 in. sawn two sides slabs (random sizes) "	3 1½
3 in. ditto ditto "	2 5
2 in. self-faced random flags Per yd. super	7 6

CAST STONE.

Delivered in London area in full van loads, per ft. cube: Plain, 7s. 6d. Moulded, 8s. 6d. Sills, 10s. 0d.

SOFT WOOD.

GOOD BUILDING DEAL.

Inches.	Per stan.	Inches.	Per stan.
4 x 11	£28 10	3 x 6	£23 10
4 x 9	28 10	3 x 11	27 10
4 x 8	25 10	2 x 11	27 10
4 x 7	25 10	3 x 9	24 10
3 x 8	23 10	2½ x 9	24 10
3 x 7	23 10	3 x 4½	23 10
2½ x 7	23 10	3 x 4	23 10

PLANED BOARDS.

1 x 11	£28 10	1 x 9	£26 10

PLAIN EDGE FLOORING.

Inches.	per sq.	Inches.	per sq.
¾	18/-	1¼	30/-
1	21/-	1½	37/6
1	23/6		

TONGUED AND GROOVED FLOORING.

Inches.	per sq.
¾	19/-
1	24/-
1¼	31/-
1½	38/6

MATCHING (BEST).

Inches.	per sq.
¾	19/-
¼	21/-
1	27/6

Ins.	BATTENS.	s. d.
¾ x 2	per 100 ft.	2 8

SAWN LATHS. s. d.

Per bundle 2 5

HARD WOOD.

1 INCH AND UP THICK.

	£ s. d.
Average price for prime quality.	
Dry Austrian Wainscot, per ft. cube	0 17 0
Dry American and/or Japanese Figured Oak, per ft. cube	0 13 0
Dry American and/or Japanese plain Oak, per ft. cube	0 11 6
Dry sq. edged Honduras Mahogany, per ft. cube	0 15 0
Dry log-cut Honduras Mahogany, per ft. cube	0 16 6
Dry Cuba Mahogany, per ft. cube	1 1 0
Dry Teak, per ft. cube	0 14 0
Dry American Whitewood, per ft. cube	0 10 6
Best Scotch Glue, per cwt.	3 0 0
Liquid Glue, per cwt.	4 7 0 to 5 10 0

HUDDERSFIELD Building Society

Experience has shown that the arrangements made by the Huddersfield to assist occupier borrowers have given the utmost satisfaction, and the service rendered has been greatly appreciated by builders' clients.

Write for information to The Huddersfield Building Society, Britannia House, 203, Strand, London, W.C.2, or to the Head Office, Britannia Buildings, Huddersfield. Andrew Stewart, C.A., Managing Director.

WHEN YOU INVEST—A HOUSE IS BEST!

SLATES.

First quality slates from Bangor or Portmadoc, carriage paid in full truck loads to London Rate Station. Per 1,000 actual.

	£ s. d.		£ s. d.
24 by 12	29 15 0	18 by 10	15 12 6
22 by 12	25 0 0	18 by 9	14 2 6
22 by 11	22 10 0	16 by 10	13 12 6
20 by 12	22 0 0	16 by 8	10 15 0
20 by 10	19 15 0		

TILES.

Delivered at London rate stations in full truck loads of not less than 6 tons. Per 1,000 f.o.r. London.

	£ s. d.
Best machine-made tiles from Broseley or Staffordshire district	4 2 1
ditto hand-made ditto	4 13 0
Ornamental ditto	5 0 0
Hip and valley tiles (per dozen) Hand-made	0 8 6
Machine-made	0 5 0

METALS.

	£ s. d.
JOISTS, GIRDERS, &c., TO LONDON STATION, PER TON—	
R.S. Joists, cut and fitted	£16 10 0
Plain Compound Girders	19 0 0
" Stanchions	21 0 0
In Roof Work	25 0 0

MILD STEEL ROUNDS.—To London Stations, per ton.

Diameter.	£ s. d.	Diameter.	£ s. d.
¼ in.	18 5 0	⅝ in. to ¾ in.	16 15 0
½ in.	17 5 0	⅞ in. to 2½ in.	16 5 0

WROUGHT-IRON TUBES AND FITTINGS—

(Discount off List for lot of not less than £7 net value delivered direct from Works, 2½ per cent. less above gross discounts, carriage forward, if sent from London Stocks.)

	Standard Wrot. Mild Steel Tubes and Tubulars Sizes ⅛in. to 6in.	Genuine Wrot. (Puddled) Iron Tubes and Tubulars Sizes ⅛in. to 6 in.	Standard Fittings Sizes. ⅛in. to 6in.	Standard Flanges Sizes. ⅛in. to 6in.
	%	%	%	%
Gas	63½	61½	67½	70
Water	61½	47½	53½	66½
Steam	57½	45	48½	62½
Galv. gas	53½	41½	47½	62½
Galv. water	49½	38½	42½	58½
Galv. steam	42½	30	38½	55

C.I. HALF-ROUND GUTTERS—London Price ex Works

Per yd in 6 ft. lengths.	Gutters.	Angles and Nozzles.	Stop Ends.
2 in.	1/8½	1/3½	5½d.
3½ in.	1/11	1/6	6½d.
4 in.	2/-	1/7½	8d.
4½ in.	2/1	1/10	11d.
5 in.	2/3½	2/1	1/-

O.G. GUTTERS.

3 in.	2/0	1/9	8½d.
3½ in.	2/1½	1/9	9½d.
4 in.	2/3½	1/9½	10d.
4½ in.	2/4½	2/1½	11d.
5 in.	2/10½	2/6	1/1

RAIN WATER PIPES, &c.

Per yd. in 6 fts.	Pipe.	Bends, stock Branches, angles, stock angles.
2 in.	2/7½	1/7½ 2/5
2½ in.	2/8½	1/10 2/10
3 in.	3/5	2/3½ 3/5
3½ in.	3/11½	2/9 3/11
4 in.	4/7	3/3½ 4/10

Less 20 per cent. trade discount.

Tonnage allowance—4-ton lots, 5 per cent.
2-ton lots, 2½ per cent.

L.C.C. COATED SOIL PIPES—London Prices ex Stock.

	Pipe.	Bends, stock Branches, angles, stock angles.	
	s. d.	s. d.	s. d.
2 in. per yd. in 6 fts.	3 4	2 3	2 9
2½ in. "	3 9	2 6	3 6
3 in. "	4 2	2 10	4 2
3½ in. "	4 6	3 6	4 9
4 in. "	5 0	3 10	5 7

L.C.C. COATED DRAIN PIPES.—London Prices ex Stock.

	Pipe.	Bends, stock Branches, angle, stock angles.	
	s. d.	s. d.	s. d.
6in.per yd.in 9ft.lengths	4 9	5 4	8 9
cwt. qr. lbs.			
4 in. " 1 1 20	6 9	6 3	11 0
5 in. " 1 2 22	8 4	11 0	16 11
6 in. " 2 0 6	10 0	13 10	21 3

Geskin for jointing 45/- per cwt.

IRON—	Per ton in London. £ s. d.		£ s. d.
Common Bars	11 15 0	to	12 15 0
Staffordshire Crown Bars—			
Good merchant quality	13 10 0	to	14 10 0
Staffordshire Marked Bars	16 10 0		17 10 0
Mild Steel Bars	11 10 0		12 10 0
Steel Bars, Ferro-Concrete quality, basis price	12 0 0		13 0 0
Hoop iron, basis price	13 0 0		14 0 0
" Galvanised	30 0 0		31 0 0

* The information given on this page has been specially compiled for THE BUILDER, and is copyright. The aim in this list is to give, as far as possible, the *average* prices of materials, not necessarily the highest or lowest. Quality and quantity obviously affect prices—a fact which should be remembered by those who make use of this information.

PRICES CURRENT OF MATERIALS—(*Contd.*)

IRON—	Per ton in London. £ s. d.	£ s. d.
Soft Steel Sheets, Black—		
Ordinary sizes, to 20 g. ..	14 10 0 ..	15 10 0
" " 24 g. ..	15 10 0 ..	16 10 0
" " 26 g. ..	16 10 0 ..	17 10 0
Sheets Flat Best Soft Steel, C.R. and C.A. quality—		
Ordinary sizes, 6 ft. by 2 ft. to 3 ft. to 22 g. and 24 g.	16 10 0 ..	17 10 0
Ordinary sizes, 6 ft. by 2 ft. to 3 ft. to 26 g. ..	18 10 0 ..	19 10 0
No. 1 quality £4 per ton extra.		
Flat and Galvanised Corrugated Sheets—		
Ordinary sizes, 6 ft. to 9 ft. to 20 g.	19 10 0 ..	20 10 0
Ordinary sizes, 6 ft. to 9 ft. to 22 g. and 24 g	20 10 0 ..	22 0 0
Ordinary sizes, 6 ft. to 9 ft. to 26 g.	21 10 0 ..	23 0 0
Sheets, Galvanised, Flat, Best quality—		
Best Soft Steel Sheets, 6 ft. by 2 ft. to 3 ft. to 20 g. and thicker	20 10 0 ..	21 10 0
Best Soft Steel Sheets, 22 g. and 24 g.	21 10 0 ..	22 10 0
Best Soft Steel Sheets, 26 g.	22 0 0 ..	24 0 0
Cut Nails, 3 in. to 6 in.	19 10 0 ..	21 0 0
(Under 3 in. usual trade extras.)		

METAL WINDOWS.—Standard sizes, suitable for complete houses, including all fittings, painting two coats and delivery to job, average price about 1s. 4d. to 1s. 7d. per foot super.

COPPER.

		s.	d.
Seamless Copper tubes (basis)	per lb.	1	3
Strong sheet	"	1	3½
Thin	"	1	4½
Copper nails	"	1	3½
Copper wire	"	1	3½

PLUMBERS' BRASS WORK.

Delivered in London.
Stamped by Met. Water Board.

CRUTCH HEAD SCREW-DOWN BIB COCKS FOR IRON EASY CLEAN.

½ in. ¾ in.
22/- 47/- per doz.

CHROMIUM PLATED TOILET SCREW DOWN BIB COCKS FOR IRON. EASY CLEAN.

½ in. ¾ in.
42/- 61/6 per doz.

SCREW DOWN STOP COCKS FOR IRON.

½ in. ¾ in. 1 in. 1¼ in. 1½ in. 2 in.
27/6 42/6 75/- 181/- 264/- 409/- per doz.

SCREW DOWN STOP COCKS WITH TWO UNIONS FOR LEAD

½ in. ¾ in. 1 in. 1¼ in. 1½ in. 2 in.
46/6 68/6 106/- 205/- 307/- 590/- per doz.

DOUBLE NUT BOILER SCREWS.

½ in. ¾ in. 1 in. 1¼ in. 1½ in. 2 in.
7/6 10/6 16/- 29/- 39/- 56/- per doz.

HEAVY CROYDON BALL VALVES.

½ in. ¾ in. 1 in. 1¼ in. 1½ in.
36/- 50/6 96/- 205/- 278/- per doz.

CAPS AND SCREWS.

1½ in. 1¾in. 2 in. 3 in. 3½ in. 4 in.
10/- 12/- 18/6 22/- 44/- 48/- per doz.

BRASS FERRULES OR SLEEVES.

1½ in. 2 in. 3 in. 3½ in. 4 in.
10/- 12/6 22/6 31/- 45/6 per doz.

DRAWN LEAD TRAPS WITH BRASS CLEANING SCREWS

1½ in. 1½ in. 2 in. 3 in.
8 lb. Lead P. ..24/6 32/6 49/- 72/- per doz.
8 lb. Lead S. ..29/6 38/6 59/- 92/- per doz.

SOLDER.—Plumbers' 1/6; Tinmen's, 1/8; Blow-pipe, 1/9 per lb.

PAINTS, &c.

		£	s.	d.
Raw Linseed Oil, in pipes	per gallon	0	3	3
" " " in barrels	"	0	3	5
" " " in drums	"	0	3	7
Boiled " " in barrels	"	0	3	8
" " " in drums	"	0	3	10
Turpentine, in barrels	"	0	3	9
" in drums (10 gals.)	"	0	3	11
Genuine Ground English White Lead, per ton		56	0	0
(In not less than 5-cwt. casks.)				
Extra for 1-cwt. kegs over 5-cwt. casks is 2/9 cwt.				
GENUINE WHITE LEAD PAINT.				
"Father Thames," "Nine Elms," "Park," "Supremus," "St. Paul's," "Morganawyte," "Polacco," "J" Brand, and other best brands (in 14-lb. tins) not less than 5-cwt. lots per ton delivered		75	0	0
Red Lead, Dry (packages extra) ..	per ton	50	0	0
Best Linseed Oil Putty	per cwt.	0	13	0
Size, XD quality	f/kn.	0	5	6

LEAD, &c.

(Delivered in London.)	Per ton. £ s. d.
LEAD.—Sheet, English, 4 lb. and up	32 5 0
Pipe in coils	31 15 0
Soil pipe	32 0 0
Compo pipe	28 5 0
NOTE.—Country delivery, 20/- per ton extra, lots under 3 cwt. 4/- per cwt. extra, and over 3 cwt. and under 5 cwt., 2/6 per cwt. extra. Cut to sizes, 4/- per cwt. extra.	
Old lead, ex London area, at Mills ..... per ton	£21 0 0

VARNISHES, &c.

		Per gallon. s.	d.
Oak Varnish	Outside	0	14 0
Fine Do.	Do.	0	16 0
Fine Copal	Do.	0	18 0
Pale Copal	Do.	1	0 0
Pale Opal Carriage	Do.	1	4 0
Best Do.	Do.	1	12 0
Floor Varnish	Inside	0	16 0
Fine Pale Paper	Do.	0	18 0
Fine Copal Cabinet	Do.	1	2 0
Fine Copal Flatting	Do.	1	0 0
Hard Drying Oak	Do.	0	18 0
Fine Hard Drying Oak	Do.	0	19 6
Fine Copal Varnish	Do.	1	0 0
Pale Do.	Do.	1	12 0
Best Do.	Do.	1	2 6
Best Japan Gold Size		0	12 6
Best Black Japan		0	10 0
Oak and Mahogany Stain (water)		0	12 0
Brunswick Black		0	7 6
Berlin Black		0	14 0
Knotting (patent)		0	15 0
French and Brush Polish		0	12 0
Liquid Dryers in Terebene		0	9 0
Cuirass Black Enamel		0	7 0

GLASS.

ENGLISH SHEET GLASS IN CRATES OF STOCK SIZES.

ORDINARY GLAZING QUALITY & SELECTED GLAZING QUALITY.

per ft. super.		per ft. super
18 oz. O.G.Q.....	2½d.	32 oz. O.G.Q..... 6d.
18 " S.G.Q. ..	2½d.	32 " S.G.Q. ..... 6½d.
24 " O.G.Q.....	3½d.	Obscured Sheet, 15 oz. 3d.
24 " S.G.Q. ..	3½d.	" " 21 " 4½d.
26 " O.G.Q.....	3½d.	Fluted, 15 oz. 6½d., 21 oz. 9d.
26 " S.G.Q. ..	4½d.	Em'ld 15 oz., 4½d., 21 oz., 5½d

EXTRA price according to size and substance for squares cut from stock.

ENGLISH ROLLED PLATE & FIGURED CATHEDRAL, ETC., IN CUT SIZES. per ft.

Rolled plate, ¼ in.	5½d.
Rough cast double rolled, ⅜ in.	6½d.
Rough cast double rolled, ½ in.	6½d.
Figured rolled, etc., white	6½d
Figured rolled, etc., tinted	9½d.
Rolled sheet	8d.
White rolled cathedral	8d.
Tinted rolled cathedral	8½d.

Rolled plate is the same price as rough cast double rolled.

	Per ft. s.	d.
Reeded, Broad Reeded, Cross Reeded and Chevron Reeded, ¼ in. thick	0	10½
Wire Rolled, ¼ in. thick	0	9½
Wired Cast, ¼ in. thick	0	9½
"Calorex" Sheet, 21 oz.	2	6
" " 32 oz.	4	0
" Cast, ¼ in. thick	0	10
" " ⅜ in. thick	1	0
" " ½ in. thick	1	2

"VITA" GLASS.

Clear-heat—not exceeding 1 foot	1 0
Do. do. 2 feet	1 3
Do. over 2 feet	1 9
Polished plate not exceeding 1 foot	1 6
Do. do. 2 feet	3 0
Cathedral—not exceeding 1 foot	1 0
Do. larger sizes	1 6
Horticultural Sheet and Cathedral "Vita" Glass. Sizes up to 24 inches by 18 inches or not exceeding 3 feet	1 0
2/16 in. Wired Georgian Design. Sizes up to 96 inches long by up to 24 inches wide	2 6

BUILDING TRADE WAGES IN SCOTLAND

Following are grade rates authorised by the Scottish N.J.C. from February 1. Every endeavour is made to ensure accuracy, but we cannot be responsible for errors that may occur.

Grade Classification	A	A¹	A²	A³	B	B¹
Craftsmen	1/7½	1/7	1/6½	1/6	1/5½	1/5
Labourers	1/2½	1/2½	1/2	1/1½	1/1	1/0½

Aberdeen	A	Hamilton	A
Ayrshire	A	Inverness	*
Banff	B	Inverurie	A¹
Berwickshire	A³	Kincardineshire	A³
Bridge of Allan	A	Kinross-shire	A
Broughty Ferry	A	Lanarkshire	A
Clackmannanshire	A	Mid-Lothian	A
Doune	A	Monifieth	A
Dunblane	A	Moray and Nairn	B
Dunbartonshire	A	Newport	A
Dumfriesshire	A	Peeblesshire	A²
Dundee	A	Perth	A
Duncon	A	Perthshire	A
East Fife (embraced by a line from Largs to Kingsbarns and eastward to the Coast)	B	Peterhead	A
East Lothian	A	Renfrewshire	A
Edinburgh	A	Rothesay	A
Fifeshire (with the exceptions of towns in East Fife which are under Grade B.)	A	Roxburghshire	A³
Forfarshire	A	St. Andrews	A
Glasgow	A	Selkirkshire	A³
Greenock	A	Stewartry	A³
		Stirlingshire	A
		Stornoway	A³
		Tayport	A
		West Lothian	A

* This town has its own rates: Masons, 1/8; Carpenters, 1/8; Slaters, 1/8; Plumbers, 1/8; Plasterers, 1/8 Painters, 1/5; and Labourers, 10d. to 1/-.

The information given in this table is copyright. The rates of wages in England and Wales are given on page 298.

THE SCOTTISH BUILDER

NEW BUILDINGS

ANSTRUTHER.—HOUSES.—The T.C. has decided to proceed with 100 houses.

AUCHENSTARRY.—BRIDGE.—A start has been made with the construction of a new bridge over the Forth and Clyde Canal at Auchenstarry. The scheme is estimated to cost £12,000.

BARTONHOLM.—FACTORY.—The Imperial Chemical Industries have acquired the village of Bartonholm as a site for the construction of a new explosives factory as an addition to their Ardeer works.

CARNOUSTIE.—ADDITIONS.—The public school is to be extended at £2,500. The plans are by the county architect, Mr. J. McGregor, County Buildings, Forfar.

DUNDEE.—PAVILION, ETC.—The T.C. has approved the following: Paton's-lane—pavilions for Royal Dundee Institution for the Blind (architects, Robert Gibson and Co., 2, India-buildings); and School-road—houses for the Strathmore Building Co., Ltd. (architects, Maclaren, Soutar and Selmond, 15, South Tay-street).

EDINBURGH.—DEVELOPMENT.—The Lord Provost's Committee has approved the development of 700 acres at Saughton as permanent site for the Highlands show, etc., public buildings, houses, racecourses, recreation grounds, etc.

EDINBURGH.—SCHOOL.—The T.C. has approved the erection of a new primary school in the Saughton Mains area, at £44,250.

GLASGOW.—BUILDINGS.—Plans are in hand for extensions of the printing and stationery works of Messrs. Donaldson and Fyler. Mr. James T. Thomson, architect, 212, Bath-street, Glasgow. Plans for the demolition, reconstruction and additions to cinema at Govan Cross have been prepared by Messrs. McNair and Elder, architects, 272, St. Vincent-street, Glasgow. Plans have been prepared for a warehouse in Buchanan-street, for Messrs. Jaegar, Ltd. The architect is Mr. J. Duncan Miller, 11, Fitzroy-square, London. Plans prepared by Mr. James McCallum, architect, Commercial Bank Headquarters, George-street, Edinburgh, for reconstruction and additions at the Glasgow headquarters of the bank, Gordon-street, Buchanan-street, are to be submitted to the Dean of Guild Court. Plans for a number of buildings to be erected for the Empire Exhibition at Bellahouston Park were passed by the Dean of Guild Court. The plans approved were for tea-room, a Press club, a restaurant and amusements park, and an annexe to the Palace of Industry. Other linings granted by the Court included the following: John MacDonald and Co. (Pneumatic Tools), Ltd., Shawbridge-street, Pollokshaws—workshop at 200, Shawbridge-street and extension of works at 131, Shawbridge-street; R. and D. Adam, Nitshill Brick Works, Peat-road, Nitshill—extension to brickworks; Royal Hospital for Sick Children—additions to hospital.

KINNING PARK.—FACTORY.—Plans are being prepared for a boot-repairing factory for the Co-operative Society.

MOTHERWELL.—EXTENSIONS.—Are to be made to the premises of Messrs. Alexander Findlay and Co., at £1,000. The Dean of Guild Court have approved the plans.

SPRINGFIELD.—EXTENSION.—Tenders amounting to over £16,380 for work at the extension to Fife Joint Asylum at Springfield were approved by a meeting of the Joint Asylum Committee.

STIRLING.—HOME.—The District Mental Hospital Joint Committee have approved of the plans for a nurses' home, to cost £50,000; and also 22 houses for hospital attendants, at £12,000.

TENDERS

Communications for insertion under this heading should be addressed to "The Editor," and must reach him not later than Tuesday evening.

* Denotes *accepted*.
† Denotes *provisionally accepted*.
‡ Denotes *recommended for acceptance*.
§ Denotes *accepted subject to modification*.
¶ Denotes *accepted by H.M. Government Departments*.

Ashton-in-Makerfield.—82 houses on a housing site off Warrington-road, for the U.D.C. Mr. A F. Dennis, surveyor:—

*E. Watson, Princess-road, Ashton-in-Makerfield.

Banbury.—Alterations, repairs and decorations to the County School, for the Oxfordshire C.C. Mr. G. R. Hutton, A.R.I.B.A., P.A.S.I., County Architect, 3, Becket-street, Oxford:—

*J. F. Booth & Son, 19, North Bar, Banbury £1,350

Barking.—Works at the new fire station, for the T.C.:—

Pre-cast stone—
*W. C. Richardson £143 9 9
Hollow tile floors and flats—
*Hansards, Ltd. 745 0 0
Electrical installations—
*Borough Electrical Engineer ... 1,428 0 1

Battersea.—Works, for the B.C.:—

(*a*) External painting, etc., works to Hawthorn, White, Archer and Eaton houses on St. John's estate; (*b*) 22 pram sheds on the Stewarts-lane estate; (*c*) external painting works at Latchmere House—

*Works Department—
(*a*) £1,307 12 10
(*b*) 234 6 0
(*c*) 420 16 4

Belfast.—Temporary classroom block at Everton public elementary school for the E.C.:—

*T. & J. Whiteside, Belfast.

Belfast.—New broadcasting studios in Linenhall-street West, Ormeau-avenue, and Dublin-road, for the British Broadcasting Corporation. Mr. M. T. Tudsbery, M.Inst.C.E., chief civil engineer, Broadcasting House, Portland-place, London, W.1:—

Demolition and excavation—*R. & W. Lusty, Townsend-road, Belfast.

Belfast.—For the new story for the Parliament-buildings, Stormont, Belfast:—

*M'Laughlin & Harvey, Ltd., Belfast £24,000

Bilston.—For (*a*) stonework at the new Ettingshall Council school; and (*b*) additions to Etheridge infants' school, for the T.C.:—

(*a*) *Allied Guilds, Ltd., Birmingham £628 1 8
(*b*) *A. Poole Son & Co., Wolverhampton £911 0 0

Birkenhead.—Electricity sub-station in Well-lane, Gayton, for the T.C.:—

*Thomas I. Jones, Birkenhead £1,149 10 6

Birmingham.—Garage in Chester-road and Sutton-road, Erdington, for the Yenton Garage Co., Ltd. Mr. O. P. Parsons, architect, Newton-chambers, Cherry-street:—

*F. C. Price (Builders), Ltd., 100, Gravelly-lane, Erdington, Birmingham.

Birmingham.—Blocks of houses in South-road, Northfield:—

*E. L. Howell, Ltd., Watford-road, Kings Norton, Birmingham.

Birmingham.—Painting (*a*) Moseley-street police station; (*b*) Woodbridge-road police station; (*c*) Sparkhill police station and court; (*d*) King's Norton police station; (*e*) King's Heath police station and court and houses; (*f*) 6 houses, Osborne-road, Erdington—

*H. Morgan, Birmingham ..... (*a*) £240 10
(*b*) 246 0
(*c*) 346 10
(*d*) 149 0
(*e*) 116 0
F. J. Harris, Birmingham ..... (*f*) 160 0

Fire station at Erdington. Mr. Wynne Thomas, architect, 58, St. Albans-road, Moseley—
Builders—
*G. T. Stephens & Sons, 190, Boldmere-road, Wylde Green, Sutton Coldfield £23,730
Steelwork—*Charles Wade & Co., Ltd., Aston-road, Aston, Birmingham.

Bishop Auckland.—New sewage disposal works at Binchester, for the U.D.C. Messrs. Taylor & Wallin, engineers, Saville-place, Newcastle-on-Tyne:—

No. 1 contract—
*A. E. Hobbs, Norton, Stockton-on-Tees.
No. 2 contract—
*J. W. Pearson & Co., Stainton-in-Cleveland £41,968

Bollington.—Alterations and additions to the police station, for the Standing Joint Committee:—

*Garton & Wilson, Macclesfield £405

Bolton.—Erection of the Heaton branch library, for the Corporation:—

*J. G. Holland & Son (1933), Ltd., Bolton. (Estimated cost: £7,500.)

Bolton.—School, for the Managers of St. Columbia, Tonge Moor. Mr. H. Greenhalgh, architect, 15, Mawdsley-street:—

*G. & J. Seddon, Ltd., 5, Manchester-road West, Little Hulton, Bolton..... £8,000

Brighton.—Works for the C.B.:—

Erection of the Islingword-road substation building—
C. Couzins, Ltd. £457 12 9
McKellar & Westerman, Ltd. 449 0 0
T. J. Braybon & Son, Ltd. 413 0 0
*W. R. Saunders 409 0 0

Substation building at Hill-drive, Hove—
F. B. Armstrong £549 6 5
W. R. Saunders 421 0 0
T. J. Braybon & Son, Ltd. 414 12 0
*B. J. Brown & Co. 343 10 0

Substation building at Court Farm-road, Rottingdean—
McKellar & Westerman, Ltd. £413 0
W. R. Saunders 410 10
C. Couzins 400 0
T. J. Braybon & Son, Ltd. 393 16
*B. J. Brown & Co. 329 0

Bristol.—Works, for the T.C.:—

Extensions at the Southmead hospital—
Building—
‡James Carmichael (Contractors), Ltd., 332, Trinity-road, Wandsworth, S.W.18 ..... £115,136
Heating, hot-water services, etc.—
‡G. N. Haden & Co., Ltd., Orchard-street, Bristol 26,938
Electrical works—
‡Cyril F. Williams, Bristol 6,304

Elementary schools in Doncaster-road, Southmead. Plans by City Architect. Messrs. Gleeds, quantity surveyors, 40, Corn-street—
Building—
‡Charles H. Reed, Ltd., Stratton-street, Bristol £18,467
Heating and mechanical services—
‡Brightside Foundry & Engineering Co., Ltd., Baldwin-street, Bristol ... £1,150

Bromley.—Sub-station in Farnaby-road, for the T.C.:—

*W. R. Oldham, Beckenham £260 19 8

Bromsgrove.—Alterations, etc., at the Institution, for the Worcestershire P.A.C.:—

*J. & A. Millward, Ltd., Alcester-street, Redditch £715

Burton-on-Trent.—New school at Newhall, for the Derbyshire E.C. Mr. J. Harrison, County Architect, Council Offices, Derby:—

*William Walkerdine, Ltd., Bridge-street, Derby.

Bury.—Technical College, Market-street, for the T.C. Mr. John Chadwick, Borough Engineer:—

*J. Greenwood, Ltd., Huntley Brook, Bury.

Buxton.—Extensions of Sunday school, for Trustees of the Wesley Chapel, Higher Buxton, 1, St. James-terrace. Messrs. Flint & Sayner, L.R.I.B.A., architects, 4, Grove-parade:—

*W. Hodkinson, Earl Sterndale, Buxton £2,500

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*Deacon & Boardman, Algernon-street, Walsall.

Chelmsford.—Shops and showrooms in the High-street. Mr. W. Braxton Sinclair, F.R.I.B.A., architect, Craig's Court House, Whitehall, S.W.1:—

*H. Fairweather & Co., John-street, W.C.1.

Clarkston.—68 houses and other offices in Campsie-gardens, Ferenese-avenue, and other sites. Mr. Norman McFadyen, architect, Birland-road, Bearsden:—

Excavation, brick and mason — *Lawrence Building Co., Ltd.
Plumber work and sanitary fittings — *J. Y. Symington.
Plaster work and lathing, etc.—*A. McKellar.
Slater work and roughcasting, etc. — *A. C. Whyte & Co., Ltd.
Painter work and glazing, etc.—*J. Chisholm & Son.
Electrical fittings and installation—*K. McAlpine & Co.
Iron railings and gates, etc. — *P. & R. Fleming.
Joinery, carpentry and ironmongery work—*John Lawrence & Co. (Glasgow), Ltd.
(All of Glasgow.)

Congleton.—Exterior painting of 50 Council houses on the Norbury-drive esate, for the T.C.:—

*C. Nuttall, Congleton £118 15

Corby.—Erection of third wing to the junior and infants' school, with accommodation for 200 additional scholars, for the Northants E.C.:—

*A. Richmond & Sons, West-street, Retford £2,080

Coventry.—Junior school at Coundon, for the Rev. W. Rooney, Church of Christ the King, Westhill-road. Mr. G. B. Cox, F.R.I.B.A., architect, 109, Colmore-row, Birmingham:—

*Maddocks & Walford, Tyburn-road, Birmingham.
(Estimated cost £8,000.)

Coventry.—Reconstruction and widening of London-road railway bridge, for the L.M.S. Railway and the Corporation:—

*C. A. Horton, Brierley Hill £11,108 2

Coventry.—Construction of Wyken branch sewers, for the T.C. Mr. E. H. Ford, City Surveyor:—

*W. H. Jones & Sons, Lockhurst-lane, Coventry £25,501 5

Cuffley.—School, for the Hertfordshire C.C.:—

*Allen Fairhead & Sons, Ltd., Enfield £15,300

Dagenham.—Wrought-iron fencing for roundabout, Whalebone-lane North, for the U.D.C.:—

*W. A. Baker & Co., Ltd. £125 10

Devon.—Works, for the C.C. Mr. H. V. de Courcy Hague, F.R.I.B.A., County Architect, 97, Heavitree-road, Exeter:—

Grammar school for girls, at Torquay—
*R. E. Narracott, Dunmere-road, Torquay £45,210 11 5
Hospital block, nurses' home and duty room, at Hawkmoor Sanatorium—
*N. Pratt & Sons, Ltd., Clyst St. Mary, nr. Exeter £36,698 14 2
House for constable, at Fremington (Bickington)—
*W. J. Squire, Lower Maudlin-street, Barnstaple £789
House for constable, including new well for water supply, at Tedburn St. Mary—
*H. Sanson & Son, Woodbury £832 18 6

Doncaster.—Erection of grammar school, for the E.C. and the Board of Governors. Mr. J. R. Leathart, F.R.I.B.A., architect, 39, Garden-square, London, W.C.1:—

Main contractor—
*W. Firth, Ltd., Lockwood-road... £47,083 17 3
Heating and ventilation—
*H. Thrush & Co. 4,942 0 0
Steel windows—
*J. Gibbons, Ltd., Wolverhampton 3,795 0 0
Electrical installation—
*N. S. Milan 2,901 0 0
Wood-block flooring—
*Stevens & Adams, Wandsworth... 1,544 4 6
Fire-resisting floors—
*Diespeker & Co., Ltd., London 4,240 7 0
Sanitary fittings—
*A. Hall, Ltd. 643 19 0
Ironmongery—
*A. Hall, Ltd. 414 3 10
Ornamental ironwork—
*H. Mitchell & Sons, Ltd. 169 17 3
Artificial stonework—
*Pearson Bros. & Campbell, Ltd., Liverpool 1,422 14 9
Fitting and gearing of hall windows—
*Gibbons, Ltd., Wolverhampton... 56 0 0
(Remainder of Doncaster.)

Durham.—12 houses at Low Greenfield Farm, for the C.C.:—

*A. Elcoat & Son, Darlington-road, Durham ..... £5,[illegible]

Ealing.—Sub-stations at Haven Green and Delamere-road, for the T.C.:—

	Haven Green.	Delamere Road.
H. C. Pyrke & Co., Ltd.	£460 0	£395 0
Millman, Ltd.	440 0	295 0
Lees of Enfield, Ltd.	428 0	416 0
F. W. Taylor	381 10	294 10
Roger Miller	360 0	309 0
Edward Plaistowe & Sons, Ltd.	359 0	299 0
Alliance Building Co., Ltd.	356 0	325 0
Walter J. Dickens	339 0	300 0
*J. L. Elliott	309 0	270 0

Easington.—Sewerage schemes in Crimdone Dene, Seaton-lane and Dalton-le-Dale, for the R.D.C. Messrs. D. Balfour & Sons, engineers, 3, St. Nicholas'-buildings, Newcastle-on-Tyne:—

*H. Bell & Sons (Ryhope), Ltd., Ryhope £20,696

East Grinstead.—50 houses on the Stone Quarry estate, for the East Grinstead Housing Association. Messrs. Duncan B. Gray & Partners, surveyors, 129, Mount-street, W.1:—

*Butcher & Wilson, Riddlesdown Roads and sewers—

R. H. Powis, Ltd.	£5,896 19 6
J. W. G. Cronk, Ltd.	5,149 0 0
S. R. Morrison	4,977 14 7
Road Construction (Worthing), Ltd.	4,342 11 2
Edward Yewen	4,101 0 3
Alfred Robinson, Ltd.	4,093 13 10
Franks Harris Bros., Ltd.	3,996 17 3
Percy Bilton, Ltd.	3,994 18 0

Ellesmere Port.—Offices and power-house at Stanlow, between the railway and canal, for the National Benzole Co., Ltd., Wellington House, Buckingham Gate, London, S.W.1:—

Contractors—*Norton Bros. and Co., London.
Tank bases, walls, and drainage—*J. F. Blair & Co., London.
Tanks—*Newton Chambers & Co., Thorncliffe Works, Sheffield.
Pipe-lines—
*Simmons & Hawker, Ltd., London.

Esher.—Residence in Pelham's-walk, Esher Place estate, for Mr. M. Donn. Quantities by Mr. P. John Allan, Gray's Inn, W.C.1:—

*Burnand & Pickett, Ltd., Wallington.

Farnham.—62 houses for the working classes at Institute Field, Wrecclesham, for the U.D.C. Mr. R. M. Sargent, Building Surveyor, Council Offices Annexe, South-street:—

22 houses—
*H. Punter, "Settledown," Seale £7,789

20 houses—
*W. J. Wilkinson & Son, "Newnhams," West-street, Farnham 6,409

20 houses—
*P. LeClercq, Averley-lane, Farnham 6,674

Felling-on-Tyne.—Methodist Church and school in Bath-lane. Messrs. Liddle & Batchelor, architects, Milburn House, Newcastle-on-Tyne:—

*Thomas A. Brown, Park Works, Sunderland-road, Felling ..... (cost) £4,000

Glasgow.—Pavilion and other offices in Huntly-avenue, Giffnock. Mr. James Brodie, architect and engineer, West George-street:—

Excavation, brick and mason—*W. Mavor & Son, Newton-Mearns.

Grimsby.—Building and civil engineering works required in connection with the extensions to the plant at the generating works, for the T.C.:—

*J. H. Thompson & Sons, Ltd., Grimsby £20,083

Finsbury.—Demolition work in the Bussaco-street area, for the B.C.:—

*T. H. Isard & Co. £1,264

Hambledon.—14 houses at Churt, for the R.D.C.:—

*H. J. Titcomb, Milland £4,936

Hammersmith.—Works, for the B.C.:—

Repainting, etc., works at the Mortlake Cemetery—

A. S. Perton	£282 8 6
F. Coyle & Co., Ltd., Brentford	235 0 0
Wm. Lowe & Son, Ltd.	223 0 0
G. W. Clark	206 0 0
*Wm. Brown & Sons, Ltd., 3, Keith-grove, W.12	183 3 0

Rewiring the electrical installation at the Paesmore Edwards Library, Uxbridge-road—

A. E. Mayhew & Co.	£294 6 6
A. Bantock & Co.	281 6 0
E. M. Austin	271 17 0
J. B. O'Brien & Co.	240 12 6
C. Bond	219 17 6
J. Webb	213 15 0
S. Goodchild	212 18 6
Sydney Hellyar, Ltd.	210 6 0
W. T. Canning & Co., Ltd.	199 15 0
Wilkins Electrical Works, Ltd.	198 17 0
*Twentyman & Co., 297, King-street, W.6 (Remainder of London.)	169 0 0

Hampstead.—Works for the B.C.:—

Repainting the exterior of Block "A" at South End Close—
*Allison, Fockett & Sons, 8, Holly Hill £146 18 6

Redecoration of the Central Library lecture hall and children's library—
*C. P. Munn, 80-82, Mill-lane, West Hampstead, N.W.6 ..... £197

Hendon.—Works, for the T.C.:—

Demolition of Woodfield House—

	Council to pay.
London Demolition Co., Ltd., Isleworth	£140 0
H. Boyer, Ltd., Wembley	105 0
Wm. Jones	75 10
F. Savage, Keston	74 10
A. A. King	69 10
A. R. Wright & Son	62 10
A. Way	15 10
	To pay the Council.
*Wackett Bros., Ltd., 29, Victoria-street, Westminster, S.W.1	£15 0

Installing additional radiators in certain classrooms at Bell-lane school—
*E. D. Berry & Sons £172 10

Repairs, improvements and redecorations to schools:—
External redecorations—
*W. Richards & Sons, Ltd., Hendon—
Clitterhouse school and cottage £315
*Buckingham & Sons, Ltd., Hendon—
Bell-lane school and cottage £222 0
Deansbrook junior school and cottage 203 0
Goldbeaters school and cottage ... 233 10
Orange-hill school and cottage 171 10
*J. Wilson, Hendon—
Sunnyfields infants' school £126
Internal redecorations—
*A. J. Willson & Sons, Hendon—
Colindale school and cottage £222
*W. Richards & Sons, Ltd., Hendon—
Deansbrook infants' school £156
Removal of galleries—
*Garsubil, Ltd., Golders Green—
Bell-lane school £531
*Buckingham & Sons, Ltd., Hendon—
Burnt Oak school £132 0
Childs Hill school 432 10
The Hyde school 305 0
Works at Edgware junior and infant school:—
Hollow tile flooring—
*Diespeker & Co., Ltd. £697 2 0
Roof tiling—
*Williams, Smith & Evans 104 17 2
Roof trusses—
*Dawnays, Ltd. 214 4 6
Steel windows—
*Mellowes & Co., Ltd. 756 1 9
Hardwood flooring—
*The Acme Flooring & Paving Co., Ltd. (in Rhodesian mahogany) 501 8 8
Sanitary fittings—
*Rownson, Drew & Clydesdale, Ltd. 441 3 1

Hereford.—Erection of the "Game Cock Inn," Holm Lacy-road, for the Hereford and Tredegar Brewery, Ltd. Messrs. Bettington & Son, architects, 12, Castle-street:—

*S. W. Preece & Son, Ross-road, Hereford.

Hinckley.—Rebuilding the "Three Pots Inn," for Messrs. James Eadie, Ltd., brewers, Cross-street, Burton-on-Trent. Mr. R. S. Litherland, L.R.I.B.A., architect, 10, High-street, Burton-on-Trent:—

*Bowles & Son, Gladstone-street, Leicester.

Hitchin.—Cottages, for the U.D.C.:—

Four at Knebworth—
†P. Tetley, Welwyn £1,753 0

Four at Cockernhoe—
†W. Chivers, Luton 1,616 8

Two at Ashwell—
†Anderson & Co., Ltd., Ware 1,096 4

Eight at Lilley, two at Kimpton, two at St. Ippolyts, two at Codicote, four at Breachwood Green, two at Reed, two at Rushden, two at Nuthampstead and two at Pirton—
†Freedman & Leggett, Boreham Wood 11,018 0

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Plumbers—
*S. E. Turner, Coed Poeth £1,033 0
Hot-water installation—
*W. R. Edwards, Llanerchymor 255 10
Electrical installation—
*S. Woldenden, Holywell 251 0

Horsforth.—Erection of the new "Woolpack Hotel" at the junction of Broadway and Wood-lane, for Messrs. John Smith's Tadcaster Brewery Co., Ltd. Mr. Bertram Wilson, architect, High-street, Tadcaster:—

*J. Newsome Walker, Ltd.

Hull.—Reconstruction and extension of offices in Silver-street. Messrs. A. J. Seal & Partners, F.F.R.I.B.A., architects, Palace Court-chambers, Hinton-road, Bournemouth:—

*Vincent Knowles & Sons, Ltd., Hull.

Huntingdon.—Conveniences in Princes-street, for the T.C. Mr. E. J. Saunders, Borough Surveyor:—

†P. W. Sivel, Huntingdon £710

Irlam.—Reconstruction of the "Old Red Lion" Hotel, Liverpool-road, Hollins Green, for Messrs. Groves & Whitnall, Ltd., Salford, 5. Mr. Fred Riley, L.R.I.B.A., architect, 4, Cannon-street, Manchester, 3. Quantities by Mr. T. Sumner Smith, Clifton Lodge, Victoria-park, Manchester:—

*J. Findlater, Liverpool-road, Irlam.

Kendal.—County Buildings, for the Westmorland C.C.:—

*G. F. Martindale & Sons, Entry-lane, Kendal £45,626

Kilsyth.—300 houses, etc., on the Balmalloch estate, for the Corporation. Mr. J. L. Little, Burgh Architect. Mr. Samuel Buntain, architect, 39, Renfield-street, Glasgow. Mr. Robert Galbraith, measurer, 65, Bath-street, Glasgow:—

Excavation, brick and mason—*Direct Labour Department.

Knaresborough.—36 houses, for the R.D.C.:—

†J. F. Stephenson, Knaresborough £7,183

Lancaster.—Works for the T.C.:—
(a) painting work at St. Ann's Skerton Council schools; (b) Byron Council school—
(a) *S. B. Wilding & Son, Ltd.
(b) *H. Redhead.
Sub-station in Spring Gardens-street—
*Black & Nelson.
Provision of linings at the new baths—
*Shaw's Glazed Brick Co., Ltd., Whitebirk, Darwen £1,599 17 4
(Remainder of Lancaster.)

Lewisham.—Extension to Hither Green Cemetery, for the B.C.:—

Greenaway & Son	£9,610 0 0
Franklin & Co. (Erith), Ltd., Erith	9,420 0 0
Percy Bilton (Roadways), Ltd.	9,250 12 6
George Wimpey & Co., Ltd.	9,194 2 1
*John Mowlem & Co., Ltd.	9,180 16 0
Fitzpatrick & Son	9,065 0 0
Henry Woodham & Sons, Ltd.	8,970 17 8
*Meare Bros. (Contractors), Ltd., Weardale-road, Lewisham	8,646 5 5
W. E. & S. Rumph (Builders), Ltd., Bromley (Remainder of London.)	8,027 0 0

Limerick.—New Roman Catholic Church at Copse-wood College, Pallaskenry, for the Salesian Fathers. Messrs. Sheahan & Clery, architects, Limerick:—

*M. White, Limerick.

Liverpool.—Branch bank in Hillfoot-road, for the Westminster Bank, Ltd., Lothbury, London, E.C.2. Mr. A. E. Shennan, architect, F.R.I.B.A., 17, North John-street, Liverpool:—

*John Lucas & Son (Builders), Ltd., Eccleston-street, Prescot.

Liverpool.—Works, for the Corporation:—
Alteration to kitchen block at Fazakerley sanatorium—
*Bragg & Collins £297
Alterations at 27, Great Charlotte-street—
*N. Broude £103 10
Decorations, etc., at 4, Saint James-road—
*Arthur E. Jones £119
Decorations and installation of new hot water system at 18, Alfred-street—
*P. Davies £126
Modernising of interior of 166, Chatham-street—
*Clayton & Doreman, Ltd. £173
Erection of sub-stations:—
Utting-avenue East—
*Robt. Miles, Ltd. £760
Carr-lane East—
*Knight & Lord £703
Additions to the electric sub-station in Hillfoot-road, Woolton-road—
*Bragg & Collins £349
Alterations to the ladies' lavatories, etc., at the Picton Hall—
*Knight & Lord £468
103 flats on the St. Oswald's-street site—
*Unit Construction Co., Ltd. £62,380
Interior cleaning and painting at City Hospital North—
*C. & G. L. Deacer, Ltd. £197
Interior painting and painting of boundary railings at Cleaver Sanatorium—
*Webster & Malley, Ltd., Birkenhead ... £276

Conversion of "D" block for reception of male bedridden patients at Belmont-road Institution—
*Knight & Lord £662
(a) Cementing and tiling walls, main kitchen, female division; (b) formation of film room for cinematograph apparatus, at Kirkdale Homes—
(a) *Wolfe & Rowlands, Ltd. £257
(b) *Knight & Lord 140
(a) Interior painting, and (b) relaying wood block floor (Ward D4), at Mill-road Infirmary—
(a) *F. G. Parsons £459 0 0
(b) *Bartle Simonds & Co. 202 16 6
(a) Painting (Ward 3), and (b) repairs and pointing of brickwork and stonework, clock tower, at Smithdown-road Hospital—
(a) *James Davies & Son £148 0 0
(b) *Brunswick Restoration Co. ... 224 9 6
Cleaning and painting interior of hospital wards, etc., at Walton Hospital—
*James Stott & Son, Ltd. £1,159
Repairs at 152, Chatham-street—
*Nathan Broude £110
Repairs at 154, Chatham-street—
*Clayton & Dorsman, Ltd. £130
Repairs at 123, Falkner-street—
*W. & A. Piercy, Ltd. £105
Provision of hot water service and general repairs and decorations at 51, Elizabeth-street—
*Nathan Broude £116 17
Provision of hot water service, electric light installation, and general repairs and decorations at 20, St. Bride-street—
*Whitehead & Gilroy £120
Repairs and decorations at 55, Elizabeth-street—
*Nathan Broude £102
(Remainder of Liverpool.)

¶London.—The following works contracts have been placed by the War Office during the week ended August 5:—
Dunbar and Berwick-on-Tweed—artificers' work—T. D. Horsburgh & Son, Dunbar.
Edinburgh, Leith, Redford and Dreghorn—periodical services—Robertson & Son, Leith.
Fort George and Inverness—road repairs—G. Duncan & Co., Inverness.
Derby—artificers' work—A. Holmes & Son, Ltd., Derby.
Tow Law, Co. Durham—camp structures—A. B. Cobbett, Monkseaton.
Richmond, Yorks—artificers' work—G. R. Wade & Son, Richmond.
Catterick—replacement of windows—F. Hossack & Son, Sleaford.
Catterick—repairs to farm buildings—J. R. Surtees, Catterick Camp.
Nottingham, Royal Ordnance Factory—electric lighting and power installation—Blackburn, Starling & Co., Ltd., Nottingham.
Bordon, Guadeloupe Barracks—sanitary annexes—E. J. Logan, London, W.C.
Aldershot, Gibraltar Barracks—miniature rifle range—Sherfield Bros., Farnham.
Broome Park—temporary camp structures, and Kingsnorth—temporary camp structures—F. R. Hipperson & Son, Ltd., London, E.C.
Shorncliffe—periodical painting services—C. J. Else & Co., Ltd., Matlock.
Woolwich—various barracks, repairs to roofs—Williams, Smith & Evans, London, S.E.
Middlewick Rifle Range—raising butts—W. Chambers & Sons (Colchester), Ltd., Colchester.

¶London.—Tenders accepted by H.M.O.W. for the week ended August 5:—
Houses of Parliament—equipment for service bar and tea room servery—Benham & Sons, Ltd., 66, Wigmore-street, W.1.
Storage cupboards—Harris & Sheldon, Ltd., Stafford-street, Birmingham.
Chairs, arm—Owen Haines & Son, Green-street Chair Works, High Wycombe.
Tables, folding, oak—F. Troy & Co., Ltd., 194, Finchley-road, N.W.3.
Steel racks—G. A. Harvey & Co. (London), Ltd., Woolwich-road, S.E.7.
Clevedon, Somerset, Post Office and Telephone Exchange—erection—Blackford & Son, London-road, Calne.
Refrigerators—Marco Refrigerators, Ltd., Rowan-road, Streatham Vale, S.W.16.
Bracket clocks—Stockall Marples & Co., Ltd., 6-10, Clerkenwell-road, E.C.1.
Admiralty Training Establishment, Rosyth—shaping machines—Ormerod Shapers, Ltd., Hebden Bridge.
Maesteg Post Office—erection—Tuckers Bros., Ltd., 181-183, Broadway, Cardiff.
Chairs, W.7—W. Hands & Sons, Ltd., Dashwood-avenue, High Wycombe.
Houses of Parliament—ventilation of servery—Carrier Engineering Co., Ltd., 24, Buckingham-gate, S.W.1.
Houses of Parliament—alterations—Higgs & Hill, Ltd., 14, Godliman-street, E.C.4.
Houses of Parliament—oak panelling to dining-room—John Mowlem & Co., Ltd., 91, Ebury Bridge-road, S.W.1.
Telephone Exchange, Broadstairs, Kent—erection—J. T. May, 28, High-street, Broadstairs.
Rampion Slade Institute—sewage disposal works—H. Ashley, 54, Woodhouse-road, Mansfield.
Fireside implements—Thos. Adshead & Sons, The Dudley Foundry Co., Ltd., Angle-street, Dudley; Willetts-Adshead, Ltd., Falcon Works, Dudley; Armstrong Stamping Works, Ltd., Oxford-street, Bilston; and S. W. Bullas & Sons, Ltd., Coregreaves, Cradley Heath.
Houses of Parliament—alterations to the servery floor, etc.—Hall, Beddall & Co., Ltd., Pitfield-wharf, Waterloo Bridge, S.E.1.
Buckingham Palace—internal painting—Holloway Bros. (London), Ltd., 43, South Audley-street, W.
Leyton E.E.—heating and hot water services—H. C. Goodman, Ltd., Reading.
Newcastle-on-Tyne—Custom House extension—H. Kindred, Sunniside, Newcastle-on-Tyne.
Admiralty Training Establishment, Rosyth—turret lathe—H. W. Ward & Co., Ltd., Dale-road, Selly Oak, Birmingham.

¶London.—List of new contracts placed by H.M. Air Ministry for the week ended July 31:—
North Coates Fittles—cable work, underground—John Collier & Co. (Electrical Engineers), Ltd., Manchester, 12.
North Coates Fittles—cable work, internal wiring—Electrical Installations, Ltd., London, S.W.1.
Brize Norton and South Cerney—district heating—Sulzer Bros. (London), Ltd., London, W.C.1.
Ford, Sussex—warrant officers' and airmen's quarters and external services—H. J. Goodall & Son, Ltd., Basingstoke.
Leconfield and Driffield—district heating—Newman & Watson, Ltd., Stockton-on-Tees.

¶London.—List of new contracts placed by H.M. Air Ministry for the week ended August 7:—
Duxford—extension of landing ground—Mornement & Ray, Ltd., East Harling, Norwich.
Ternhill and Shawbury—internal wiring—Lowdon Bros. & Co., Ltd., Dundee.
Hullavington—heating and hot-water supply—Wm. Freer, Ltd., Leicester.
Cosford—preparation of landing ground—Land Cultivators, Ltd., York.
Penrhos and Hells Mouth, Pwllheli—artificers' works—Williams & Jones, Pwllheli.
Eastchurch—hutting and external services—Harrison Smith Buildings, Ltd., Aston, Birmingham.

Londonderry.—Adaptation of old Ulster Hotel as municipal offices, for the Corporation:—
*F. M'Kee & Co., Londonderry.

Lowestoft.—Houses, for the T.C.:—
*J. Gaze & Sons—
46 houses at Newson's Meadow ... £16,468
9 houses at Lighthouse Score 3,150
9 houses at St. Peter's-street 3,222

Luton.—Automobile service station, in Bridge-street, for Messrs. Dickinson & Adams, Ltd. Mr. B. B. Franklin, architect, 35, King-street:—
*H. C. Janes, 109, Tigh Town-road, Luton.

Luton.—Maternity and child welfare clinic, for the T.C. Mr. J. W. Tomlinson, A.M.I.C.E., L.R.I.B.A., Borough Engineer and Surveyor Quantities by the Borough Engineer:—
*A. G. Peck, 5 and 7, Wenlock-street Luton £4,856 10

Macclesfield.—Rebuilding the "Waggon and Horses" public-house, Handforth. Mr. T. Shirley Worthington, A.R.I.B.A., architect, 178, Oxford-road, Manchester:—
*Isaac Massey & Sons, Alderley Edge, Manchester.

Manchester.—Factory and motor-car depot in Lloyd-road, Levenshulme, for Messrs. Armstrong & Siddeley Motors, Ltd., 35, King-street West:—
*A. Cassel & Sons, Ltd., 300, Great Cheetham-street, Higher Broughton, Manchester.

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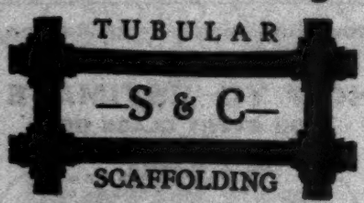

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Manchester.—Extensions to the acetylene works, for the British Oxygen Co., Ltd., Royce-road, Trafford Park. Mr. A. E. Shennan, F.R.I.B.A., architect, North House, 17, North John-street, Liverpool:—
*Alfred Hodkinson, Ltd.
Joiner—*F. Butterworth, Ltd.
Plastering—*F. & J. Pilling Bros., Ltd.
Steelwork—*Edward Wood & Co., Ltd.
(All of Manchester.)

Manchester.—Reconstruction of the "Derby Arms," Ashton New-road, Clayton, for Messrs. Chester's Brewery, Ltd., Ardwick. Mr. F. Riley, L.R.I.B.A., architect, 4, Cannon-street. Quantities by Mr. T. Sumner Smith, Clifton Lodge, Victoria Park:—
*Thos. Campion & Sons, Devonshire-street, Ardwick.

Manchester.—Reconstruction of the "Shamrock" inn, Bengal-street, Ancoats, and the "Cooper Arms" public-house, City-road, Hulme, for Messrs. Wilson's Brewery, Ltd., Monsall-road Brewery, Newton Heath. Mr. A. Hedges, architect, 8, Fountain-street:—
*T. Percival, 30, Varley-street, Collyhurst, Manchester.
*Moston Brick & Building Co., Ltd., Kenyon-lane, Moston, Manchester.
Terra-cotta — *"Rainfordware," George Jennings & Co., Ltd., Lambeth, London, S.E.

Margate.—Structural alterations to the United Furnishing and Drapery Store, for Messrs. Bobby & Co., Ltd. Messrs. George Baines & Son, F.R.I.B.A., A.I.Struct.E., chartered and registered architects, 121, Victoria-street, Westminster, S.W.1:—
*Rice & Son, Ltd., Prudential-buildings, Cecil-square, Margate.
Shop windows, etc.—*Courtney Pope & Co., Ltd., Amhurst Park Works, Tottenham, N.15.

Meriden.—22 houses at Fillongley, for the R.D.C. Mr. H. Pickering, surveyor:—
*A. E. Gilks, Lythalls-lane, Coventry £8,805 15

Monaghan.—11 cottages at Carrickmacross, for the County Board of Health:—
Five—
*M. Salmon, Mullinary £1,240 0 0
Four—
*R. M'Gahey, Shercock 1,040 0 0
Two—
*Carolan Bros., Drumboory 509 10 9

Newcastle-on-Tyne.—For painting work at schools for the E.C.:—
Atkinson-road, North Heaton and Ouseburn schools—*M. Alexander & Sons, Newcastle.
Denton-road and East Walker schools—*Urwin and Simpson, Newcastle.
Raby-street schools—*H. J. Sinclair, Newcastle.
Snow-street, Victoria Jubilee and Westmorland-road schools—*John Richardson & Co., Ltd.
Clergy Jubilee C.E., Rye Hill R.C. and St. Mary's R.C. schools—*R. J. Richardson & Co., Ltd.
St. Joseph's R.C. school—*J. Forster & Son, Newcastle.
(Total cost: £2,998.)

Newcastle-on-Tyne.—Baptist Church in Buddle-road. Mr. William Stockdale, architect, 73, Howard-street, North Shields:—
*John Jackson & Sons, Corporation-street, Newcastle-on-Tyne £10,000

Newcastle-on-Tyne.—Rebuilding of the "Roper Arms" Hotel, for Messrs. J. W. Cameron & Co., Ltd., brewers, Lion Brewery, West Hartlepool. Mr. A. Pearson, architect, Melvyn-gardens, Fulwell, Sunderland:—
*H. Waller, Back Waller-street, Newcastle-on-Tyne.

Newton Mearns.—Pavilion and complete offices. Mr. James Brodie, architect and engineer, West George-street, Glasgow:—
Excavation, brick and mason—*J. Herd, Sheddans, Clarkston.

North Shields.—Warehouse at rear of Bewhouse-lane, for the Shields Ice and Cold Storage Co., Ltd. Messrs. Tasker & Child, architects, Trinity-buildings, New Bridge-street, Newcastle-on-Tyne:—
*Hastie D. Burton, Ltd., King-street, North Shields.

Norwich.—Rebuilding of the "Morning Star" licensed house, for Messrs. Bullard & Sons, Ltd. Messrs. Buckingham & Berry, F.S.I., F. and A.R.I.B.A., architects and surveyors, 43a, Prince of Wales-road:—
W. Evans & Son, Norwich £3,747
S. W. Podd, Norwich 3,690
T. Gill & Son, Norwich 3,670
W. S. Lusher, Norwich 3,599
*R. G. Carter, Ltd., Drayton 3,592

Nottingham.—Extensions of the civic centre at the Guildhall providing for headquarters for the police, fire brigade and the finance, health, housing and education departments, for the T.C. Mr. R. M. Finch, City Engineer:—
*W. J. Simms, Son & Cooke, Ltd., Sherwood, Nottingham £266,194

Nottingham.—Church, at Lenton Abbey, for Church of England Diocesan Building Committee. Mr. T. Cecil Howitt, F.R.I.B.A., architect, Exchange-buildings East:—
*J. Cawley, 37, Leen Side, Nottingham £10,000

Nottingham.—Extensions to works at Lenton, for the Raleigh Cycle Co., Ltd., Lenton Boulevard. Messrs. Sutton & Burnett, A.A.R.I.B.A., architects, 15, Clarendon-street :—

*Thomas Bowe, Lamartine-street, Nottingham.

Nuneaton.—Addition to the administrative block at Bramcote Isolation Hospital, for the T.C. :—

*George Cooper & Sons (Nuneaton), Ltd. £3,059 17 9

Oakwell.—Ward block at the smallpox hospital, for the Joint Hospital Board. Mr. H. L. Hall, architect, Brunswick-street, Batley :—

Masonry, bricklaying, carpenter and joiner—*Harry Atkinson, Morley.
Plumbing and glazing—*D. Crowther & Son.
Plastering—*John Gill.
Slating—*J. M. Thornton, Staincliffe.
Electrician—*Joseph Terry.
Painting—*G. Tomlinson & Son.
(Remainder of Batley.)

Ormskirk.—53 dwelling-houses in Green-lane, for the U.D.C. :—

*Berry & Hellowell £208,949

Oxford.—Swimming bath and incidental accommodation at Temple-road, Temple Cowley, for the T.C. :—

‡A. Morris, Batley £25,452 8 3

Peterborough.—Garage at Corporation depot, for the T.C. City Engineer :—

*W. Hawkins & Sons, Ltd., Old Fletton Peterborough £1,225

Peterborough.—Wooden offices at Cattle Market, for the T.C. City Engineer :—

*R. C. Bosworth, Muswell-road, Peterborough £868 10

Portsmouth.—Improvements to wardroom mess at the barracks, for H.M. Civil Engineer-in-Chief's Department, Admiralty :—

*E. & A. Sprigings, Highland-road, Portsmouth.

Portsmouth.—Extension to factory premises in Queen-street, for Messrs. Holbrook & Son, Ltd. Mr. Richard H. P. Bevis, A.R.I.B.A., architect, Elm Grove-chambers, Yarborough-road, Southsea :—

*J. Hunt, Ltd., Gosport.

Rhynie.—20 houses, for the Aberdeenshire C.C. Mr. William L. Duncan, architect, Hatbill, Turriff :—

Excavation, brick and mason—*W. Drummond & Son, Huntly.
Joinery, carpentry and ironmongery—*Rother Stewan, Huntly.
Painter, glazing and allied works — *Evan Fraser, Huntly.
Plumber work and sanitary fixtures, etc.—*R. D. Fraser, Turriff, and *H. M. Gray, Huntly.
Plaster work and lathing, etc.—*P. MacPherson & Son, Inverurie.
Slater work and roughcasting, etc. — *James Campbell, Rhynie, and *John Cown & Sons, Huntly.

Rochdale.—160 houses on the Brotherod Hall estate (scheme 2) and construction of roads and sewers, for the T.C. Mr. S. H. Morgan, Borough Surveyor :—

*J. Hobson & Sons, Ltd., Tennis-street, Trent-lane, Nottingham.

Rochester.—49 houses on the Darnley-road estate, for the T.C. :—

*Horace Newby, Ltd. £23,989

Rugby.—Works, for the T.C. :—

Building for storage at the main sewage disposal works—
*Youell (Public Works Contractors), Ltd., Coventry £340
(a) Internal decoration of 60 council houses, Bilton and Hillmorton estate; (b) 76 houses, Winfield estate—
(a)*A. Wilson, Rugby £315
(b)*W. J. Coates, Rugby £376
80 houses at Newbold—
*St. George's Building Works, Ltd., Erith £29,926

St. Pancras.—98 tenements on the site of 84-110, Leighton-road, Kentish Town, for the B.C. Mr. Albert J. Thomas, F.R.I.B.A., Architect.

	£	s.	d.	Reduction if "Meton" or other equal approved doors are substituted for deal doors. £	s.	d.	Addition if Keene's Cement Plaster is substituted for Portland cement rendering to walls of Kitchens £	s.	d.
S. E. Moss & Sons, Chelmsford	71,000	0	0	267	3	6	105	2	3
*M. J. Gleeson, Ltd., London-road, North Cheam	71,400	0	0	155	4	8	244	16	3
The Raglan Building Co., Ltd., Wembley Park	71,750	0	0	97	0	0	115	0	0
Tarran Industries, Ltd.	71,980	0	0	178	0	0	105	0	0
Kirk & Kirk, Ltd.	73,900	0	0	267	0	0	166	0	0
Henry Boot & Sons, Ltd.	74,750	0	0	121	15	5	182	15	7
A. P. C. Wray, Ltd.	74,831	0	0	150	4	8	328	13	5
The Unit Construction Co., Ltd.	75,660	0	0	110	0	0	195	0	0
Gee, Walker & Slater, Ltd.	75,890	0	0	150	0	0	205	0	0
E. J. Winn & Co., Ltd.	78,375	0	0	345	0	0	176	0	0
Haymills (Contractors), Ltd.	79,870	0	0	330	0	0	190	0	0
Leslie & Co., Ltd.	79,894	0	0	238	0	0	149	0	0
J. Gerrard & Sons, Ltd., Manchester	80,600	0	0	138	10	0	154	0	0
A. T. Bowley (London), Ltd.	80,775	0	0	135	0	0	225	0	0
R. J. Bowley, Ltd.	81,227	0	0	145	0	0	232	0	0
R. Mansell, Ltd., Croydon	81,589	0	0	128	0	0	260	0	0
Thomas & Edge, Ltd.	81,695	0	0	145	0	0	235	0	0
Turner & Payne	84,300	0	0	391	17	3	66	2	9
(Remainder of London)									

St. Pancras.—Works, for the B.C. :—

Three electricity sub-stations :—
Wilkin-street—
C. & F. Bryen £380
Mattock & Parsons, Ltd. 369
Holland & Hannen and Cubitts, Ltd. 354
Chessums, Ltd. 354
*Albert Monk 340

Cobden, Camden High-street—
Holland & Hannen and Cubitts, Ltd. 465
C. & F. Bryen 412
Mattock & Parsons, Ltd. 404
Chessums, Ltd. 392
*Albert Monk 374

Wells-street—
Chessums, Ltd. 1,135
C. & F. Bryen 1,068
Holland & Hannen and Cubitts, Ltd. 992
Albert Monk 955
*Mattock & Parsons, Ltd. 828

Repainting of the ironwork, repointing and repairing of the stonework of the entrance and exit gates, and the iron fencing and dwarf stone walling along the Great North-road boundary of the Islington and St. Pancras joint cemetery—
W. T. Lawrence & Son £227 19 0
Flesher Bros., Ltd. 148 0 0
Holland & Hannen and Cubitts, Ltd. 147 0 0
G. & A. Levett 145 0 0
F. C. Stockman, Ltd. 143 0 0
Marchant Hirst & Co. 142 10 0
J. H. & W. Heal, Ltd. 130 0 0
Whitbys, Ltd. 117 0 0
Sims & Sims 109 18 0
*C. & P. Bryen 103 5 6

Scunthorpe.—Erection of Church of St. Hugh's on site of existing wooden building at Old Brumby, for the Parochial Council. Mr. L. H. Bond, architect, 11, Elmer-street, Grantham, diocesan surveyor :—

*R. M. Phillips & Son, Ltd., Estate-yard, Brigg £10,266

Scunthorpe.—66 houses on the Crosby housing estate, for the T.C. Mr. W. Farrar, A.M.I.C.E., Borough Surveyor :—

*Green & Mackender, Ashby, Scunthorpe £25,936

Sheffield.—48 flats on scheme "D," Duke-street buildings, for the T.C. Mr. W. G. Davies, F.R.I.B.A., City Architect :—

*W. Malthouse, Ltd., 51, Risedale-road, Sheffield £32,321

Shrewsbury.—Demolishing and rebuilding wall, Copthorne-road, for the T.C. :—

*P. Prendergast, 25, Mount Pleasant, Newcastle-under-Lyme £767 10

Shrewsbury.—Electrical installation for lighting, power and auxiliary services at the Technical College, for the Salop E.C. :—

*Rashleigh Phipps, London £4,602 15

South Shields.—Improvements at Harton Institution, for the T.C. :—

Renewal of main building roof—
*Milton Swales & Son, South Shields £945 3 10

Laying floors in terrazzo paving—
*Commercial Marble & Tiles, Ltd., Newcastle 293 7 6

Plastering of internal walls—
*Thos. Anderson & Son, South Shields 404 0 0

Southampton.—Bowling green pavilion, Millbrook recreation ground, for the T.C. :—

Wheeler & Hann	£595 16 4
A. B. Ross	546 0 0
Geo. S. Hallum & Sons	499 17 6
Jenkins & Sons, Ltd.	479 0 0
J. J. Udall's Building Co., Ltd.	447 0 0
Bignell & Gauntlett	418 12 0
*W. S. Bailey	409 0 0

(Borough Engineer's estimate, £430.)

Southend.—Additional lavatory accommodation at 44, Alexandra-street, acquired for the extension of the Municipal Buildings, for the T.C. :—

*P. G. Bethley, Ltd. £295 10

Southend-on-Sea.—Provision and erection of the necessary stands required for the Electrical Exhibition, for the T.C. :—

*Beck & Pollitzer Contractors, Ltd., Universal House, Southwark Bridge, S.E.1 ..... £753 8 9

Southport.—Works, for the T.C. :—

Painting of (a) interior and exterior, Ainsdale branch library; (b) exterior of 286 houses, Canning-road, Marsh Side and Crossens housing estates—
(a) *Heyes Bros., Ltd., Southport £128 0
(b)—
114 houses—
*C. & T. Painters, Ltd., London, N.W.10 ..... 397 2
44 houses—
*T. Threlfall, Southport 210 0
128 houses—
*H. Fazakerley, Southport 477 15

Public conveniences at (a) Meols Cop Bridge; and (b) St. Luke's Bridge—
(a) *B. R. Hunt & Sons, Southport £535 0 0
(b) *Duxfield Bros. (Southport), Ltd., Southport 355 4 5

Stockton-on-Tees.—Corridor and storehouse and alterations to classrooms, for provision of assembly hall, at Newtown School, for the T.C. Borough Engineer and Surveyor :—

‡Direct Labour.

Stockton-on-Tees.—Painting of houses, for the T.C. :—

264 houses on the Blue Hall estate—*R. P. Harland, West Hartlepool.
224 houses on the Primrose Hill estate—*E. B. Turner, Middlesbrough.
154 houses on the Primrose Hill estate—*Ideal Decorations, Ltd., Stockton.

Stoke-on-Trent.—Works, for the T.C. :—

Conveniences at Goldenhill—
*Hollinshead & Sherratt £1,294 14 3
(In lieu of previous tender.)

Erection of Trentham-road sub-station building—
*T. Hales & Co., Ltd., Longton £897 13

Additional office accommodation at the Surveyor's Department, Stoke Town Hall—
*Naylor & Nutt £1,650
(In lieu of previous tender.)

Stourbridge.—Alterations to (a) Brook-street and Hill-street schools, and (b) Enville-street school, for the E.C. :—

(a) *A. H. Guest, Ltd., Coalbourne Brook, Amblecote, Stourbridge £969
(b) *J. Taylor & Son, Lye, Stourbridge 610

Swansea.—Works, for the C.B. :—

Additional accommodation for the staff at Llwyneryr training home and for the redecoration of the premises—
*Borough Architect £120

Installation of a low-pressure hot water heating system for the second block of buildings for Gors council school—
*J. Legg & Son, Swansea £790

Tarporley.—Additions of Memorial Wing for the War Memorial Cottage Hospital, for the Tarporley and District War Memorial Hospital Board. Mr. F. C. Saxon, F.R.I.B.A., architect, Cathedral-chambers, St. Werburgh-street, Chester :—

*T. Nixon & Sons, "Bdale," Kelsall, near Chester.

Thurlstone.—24 houses at Boyd-lane, Millhouse, for the U.D.C. Messrs. Heppenstall & Lunn, architects, Milnsbridge, Huddersfield :—

*A. F. Houlton & Co., Ltd., 22, Bingham-road, Sherwood, Nottingham.

Truro.—72 houses and 12 two-roomed bungalows on the Treliander estate, for the T.C. :—

Pearn Bros., Plymouth	£41,373
Blewett, St. Mabyn	35,107
City Surveyor, Truro	34,755
Maddern & Fairbrother, St. Ives	33,933
E. Thomas, Falmouth	33,345
*Lobb Bros., Mevagissey	31,713

Tunbridge Wells.—Alterations to and reconditioning of the building on the old hospital site, for the T.C. :—

*Goodwin Bros. £334 10

Tunbridge Wells.—(a) Demolition of six houses, boundary walls, etc., and clearance of site; (b) erection of police court and police station block; (c) erection of assembly hall block; (d) construction of yard, pavings and approach roads :—

	(a) & (b)	(c)	(d)
*E. Corben & Son, Ltd., Maidstone	£27,940	£53,280	£5,260

(Subject to M.H. approval.)

Wingate.—Additions to house in Wheatley Hill Cemetery and erection of porch, greenhouse and cold frames at Deaf Hill Cemetery, for the P.C. :—

*G. Sandwick, Wingate £720

Worthing.—Construction of the proposed branch library at Durrington, for the T.C. :—

*Willmore Phillips, Ltd., Worthing ... £2,147

Walsall.—Houses, for the T.C.:—
4 houses and shops (combined) on the Goscote housing site (section 3)—
*H. W. Casey, Bloxwich-road, Walsall £2,420
72 houses on the Goscote housing site (section 4)—
*Sabin & Young, Ltd., Rushall, near Walsall £23,229

Walsall.—For (a) senior boys' and girls' school, Fulbrook; and (b) junior and infants' school, Harden, for the T.C. Mr. M. E. Habershon, Borough Engineer:—
(a) *McKeand, Smith & Co., Ltd., Wolverhampton £65,493
(b) *Deacon & Boardman, Ltd., Walsall 17,650
(Revised tenders accepted.)

Walsall.—Sub-stations at Wood End-road, Walsall-road and Goscote-lane, for the T.C.:—
*Jack Wistance, Ltd., Walsall £637 10

Wandsworth.—Painting works, for the B.C.:—
*F. J. Rashbrook, Ltd.—
Putney Vale Cemetery £102 0
Clapham Baths 700 0
*W. F. Goodchild—
Putney Library 149 10
Balham Baths 279 0
Streatham Baths 152 0

Wellingborough.—For (a) external painting at institution, and (b) alterations and decorations of the women's infirmary, for the Northants P.A.C.:—
(a) *E. P. Cowling, Northampton £210 0
(b) *A. W. Gent & Sons, Wellingborough 496 10

West Ham.—Installation of hot-water heating apparatus at the Tunmarsh-lane School for the Deaf, for the C.B.:—
*W. Richardson & Co., Ltd., 117, Victoria-street, S.W.1 ..... £1,280

Wigan.—Works, for the T.C.:—
Extensions to Municipal Buildings—
*Works Department £20,509
220 houses at Worsley Hall site—
*Direct Labour Department 73,360

Wimbledon.—Sub-station in Vale-crescent, New Malden, and an underground sub-station in Lynton-road, New Malden:—
*H. Windsor & Co., Ltd., London £1,136

Wolverhampton.—Enlargement of the Springfield-road senior school, for the T.C.:—
*H. J. Amies & Sons, Ltd., Wolverhampton £28,768
(In lieu of tender withdrawn.)

Wolverhampton.—Works, for the T.C.:—
New walling to St. Peter's Churchyard—
*F. & V. Linford, Ltd., Cannock £2,110
Painting of the railings and gates around the West-park—
*J. Caddick, Son & T. E. Yates, Ltd., Wolverhampton £166
Superstructure only of the proposed new greenhouse in the West-park—
*W. Richardson & Co., Ltd., Darlington £353 .5

Worcestershire.—Alterations, etc., to schools, for the E.C. (1) Bromsgrove, Watt Close; (2) Finstall; (3) Catshill; (4) Stoke Prior; (5) Stoke Works; (6) Silver-street, Wythall:—
(1) *J. & A. Brazier, Ltd., Bromsgrove £716 0 0
(2) *J. & A. Brazier, Ltd., Bromsgrove 480 0 0
(3) *H. L. Wilton, Bromsgrove 240 0 0
(4) *C. Jones, Droitwich 210 17 6
(5) *S. T. Giltins, Droitwich 216 0 0
(6) *J. & A. Millward, Ltd., Redditch 275 0 0

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